

8<sup>1222-2022</sup>  
00 ANNI



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# Laboratorio di ricerca bibliografica per gli studenti di farmacia secondo modulo

# Le banche dati per le Scienze del Farmaco



pch.vector - it.freepik.com

Tra le risorse più importanti e utili che l'Ateneo mette a disposizione per la ricerca scientifica troviamo le banche dati.

Le banche dati si possono occupare di una o più aree disciplinari e soprattutto forniscono informazioni bibliografiche e fattuali.

Come trovarle? Utilizzando GalileoDiscovery!

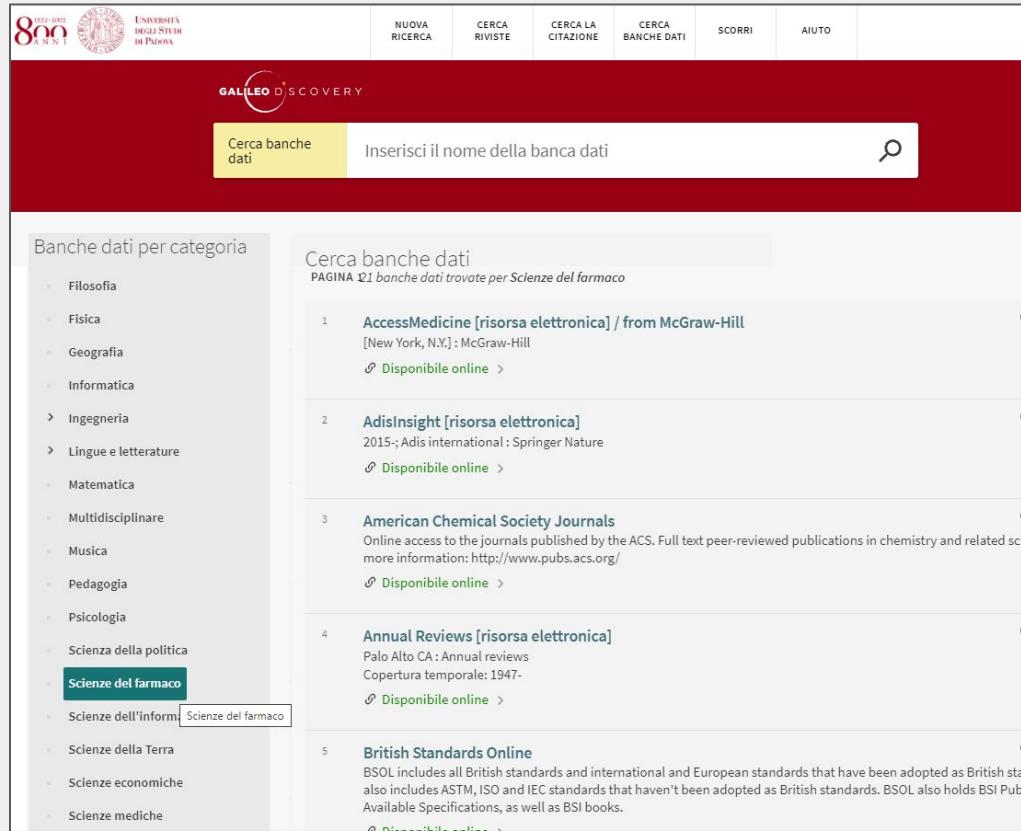


NUOVA RICERCA CERCA RIVISTE CERCA LA CITAZIONE CERCA BANCHE DATI SCORRI AIUTO Autenticati

GALILEO DISCOVERY

Cerca tutto Catalogo delle biblioteche RICERCA AVANZATA

[https://galileodiscovery.unipd.it/discovery/search?vid=39UPD\\_INST:VU1](https://galileodiscovery.unipd.it/discovery/search?vid=39UPD_INST:VU1)



The screenshot shows the GALILEO Discovery search interface. At the top, there is a navigation bar with links for NUOVA RICERCA, CERCA RIVISTE, CERCA LA CITAZIONE, CERCA BANCHE DATI, SCORRI, AIUTO, and a magnifying glass icon. Below the navigation bar, the text "GALILEO DISCOVERY" is displayed, followed by a yellow button labeled "Cerca banche dati" and a text input field with placeholder text "Inserisci il nome della banca dati".

The main content area is titled "Cerca banche dati" and displays a list of results for "Scienze del farmaco". The results are numbered 1 through 5:

- 1 AccessMedicine [risorsa elettronica] / from McGraw-Hill  
[New York, N.Y.] : McGraw-Hill  
[Disponibile online >](#)
- 2 AdisInsight [risorsa elettronica]  
2015-; Adis international : Springer Nature  
[Disponibile online >](#)
- 3 American Chemical Society Journals  
Online access to the journals published by the ACS. Full text peer-reviewed publications in chemistry and related sciences more information: <http://www.pubs.acs.org/>  
[Disponibile online >](#)
- 4 Annual Reviews [risorsa elettronica]  
Palo Alto CA: Annual reviews  
Copertura temporale: 1947-  
[Disponibile online >](#)
- 5 British Standards Online  
BSOL includes all British standards and international and European standards that have been adopted as British standards; also includes ASTM, ISO and IEC standards that haven't been adopted as British standards. BSOL also holds BSI Publicly Available Specifications, as well as BSI books.  
[Disponibile online >](#)

On the left side of the interface, there is a sidebar titled "Banche dati per categoria" with a list of categories, where "Scienze del farmaco" is highlighted in blue.

Posso fare una ricerca per  
Categoria > selezionando  
Scienze del Farmaco trovo in  
elenco ben 28 banche dati  
specifiche



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## Banca dati bibliografica e citazionale:

archivio digitale aggiornato di letteratura scientifica (articoli di riviste scientifiche, atti di congressi, monografie etc.,)

Dotata di sistemi di interrogazione più o meno raffinati, forniscono anche dati bibliometrici come le citazioni

## Banca dati fattuale:

archivio digitale di schede tecniche e informative più schematizzate e riassuntive. Queste banche dati forniscono informazioni fattuali, quali dati, definizioni, formule, indicatori, normativa ed altro di una o più aree disciplinari.

## Piccola guida alle principali e più utilizzate banche dati per le scienze del farmaco

Banche dati di varie tipologie: bibliografiche, citazionali e banche dati fattuali

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## Pubmed

Tra le più importanti banche dati bibliografiche a livello internazionale.  
E' una risorsa gratuita per la ricerca e il recupero di riferimenti bibliografici ad articoli scientifici e ad altri documenti di ambito biomedico e biologico.



<https://pubmed.ncbi.nlm.nih.gov/?otool=iitudplib>



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Al suo interno troviamo dati bibliografici (titolo, abstract...) di articoli, atti di convegno...

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<https://www.scopus.com/search/form.uri?display=basic#basic>



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argomento tesi: Fentanyl



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Search tips ⓘ

Search within

Article title, Abstract, Keywords

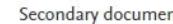
Search documents \*

+ Add search field ⏷ Add date range Advanced document search >

Search Q

## 17,208 document results

TITLE-ABS-KEY ( covid AND vaccine )

 Edit  Save  Set alertSearch within results...  Documents  Secondary documents  PatentsView Mendeley Data (3748) 

Refine results

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- Hybrid Gold (1,299) >
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## Learn more

Year 

- 2022 (53) >
- 2021 (12,379) >
- 2020 (4,771) >
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- 2007 (1) >

## Analyze search results

Show all abstracts Sort on: Cited by (highest)  All Export Download View citation overview View cited by Add to List ...   

Document title	Authors	Year	Source	Cited by
 1 Safety and efficacy of the BNT162b2 mRNA Covid-19 vaccine     Related documents	Polack, F.P., Thomas, S.J., Kitchin, N., (...), Jansen, K.U., Gruber, W.C.	2020	New England Journal of Medicine 383(27), pp. 2603-2615	2393
 2 Efficacy and safety of the mRNA-1273 SARS-CoV-2 vaccine     Related documents	Baden, L.R., El Sahly, H.M., Essink, B., (...), Miller, J., Zaks, T.	2021	New England Journal of Medicine 384(5), pp. 403-416	1487
 3 A SARS-CoV-2 protein interaction map reveals targets for drug repurposing     Related documents	Gordon, D.E., Jang, G.M., Bouhaddou, M., (...), Shiochet, B.K., Krogan, N.J.	2020	Nature 583(7816), pp. 459-468	1338

**Document type**  
Article • Bronze Open Access • Green  
Open Access

**Source type**  
Journal

**ISSN**  
00284793

**DOI**  
10.1056/NEJMoa2034577

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**Safety and efficacy of the BNT162b2 mRNA Covid-19 vaccine**

Polack F.P.<sup>a</sup>, Thomas S.J.<sup>c</sup>, Kitchin N.<sup>c</sup>, Absalon J.<sup>d</sup>, Gurtman A.<sup>d</sup>, Lockhart S.<sup>e</sup>, Perez J.L.<sup>f</sup>, Marc G.P.<sup>b</sup>, Moreira E.D.<sup>g</sup>, Zerbini C.<sup>i</sup>, Bailey R.<sup>k</sup>, Swanson K.A.<sup>d</sup>

Show additional authors Save all to author list

<sup>a</sup> Fundacion INFANT, Buenos Aires, Argentina  
<sup>b</sup> iTrials-Hospital Militar Central, Buenos Aires, Argentina  
<sup>c</sup> State University of New York, Upstate Medical University, Syracuse, NY, United States  
<sup>d</sup> Vaccine Research and Development, Pfizer, Pearl River, NY, United States  
[View additional affiliations](#)

2.584 Citations in Scopus | 383 Views count [View all metrics](#) >

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[Abstract](#)

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[Chemicals and CAS Registry Numbers](#)

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[Funding details](#)

**Abstract**

**BACKGROUND** Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection and the resulting coronavirus disease 2019 (Covid-19) have afflicted tens of millions of people in a worldwide pandemic. Safe and effective vaccines are needed urgently. **METHODS** In an ongoing multinational, placebo-controlled, observer-blinded, pivotal efficacy trial, we randomly assigned persons 16 years of age or older in a 1:1 ratio to receive two doses, 21 days apart, of either placebo or the BNT162b2 **vaccine** candidate (30 µg per dose). BNT162b2 is a lipid nanoparticle-formulated, nucleoside-modified RNA **vaccine** that encodes a prefusion stabilized, membrane-anchored SARS-CoV-2 fulllength spike protein. The primary end points were efficacy of the **vaccine** against laboratory-confirmed Covid-19 and safety. **RESULTS** A total of 43,548 participants underwent randomization, of whom 43,448 received injections: 21,720 with BNT162b2 and 21,728 with placebo. There were 8 cases of Covid-19 with onset at least 7 days after the second dose among participants assigned to receive BNT162b2 and 162 cases among those assigned to placebo; BNT162b2 was 95% effective in preventing Covid-19 (95% credible interval, 90.3 to 97.6). Similar **vaccine** efficacy (generally 90 to 100%) was observed across subgroups defined by age, sex, race, ethnicity, baseline body-mass index, and the presence of coexisting conditions. Among 10 cases of severe Covid-19 with onset after the first dose, 9

(2022) *Food Control*

The behavioral immune system and vaccination intentions during the coronavirus pandemic

Karlsson, L.C., Soveti, A., Lewandowsky, S. (2022) *Personality and Individual Differences*

Novel nucleocapsid protein-targeting phenanthridine inhibitors of SARS-CoV-2

Wang, Y.-T., Long, X.-Y., Ding, X. (2022) *European Journal of Medicinal Chemistry*

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**Related documents**

Phase I/II study of COVID-19 RNA vaccine BNT162b1 in adults

Mulligan, M.J., Lyke, K.E., Kitchin, N. (2020) *Nature*

Safety and immunogenicity of the SARS-CoV-2 BNT162b1 mRNA vaccine in younger and older Chinese adults: a randomized, placebo-controlled, double-blind phase 1 study

Li, J., Hui, A., Zhang, X. (2021) *Nature Medicine*

Neutralization of SARS-CoV-2 spike 69/70 deletion, E484K and N501Y variants by BNT162b2 vaccine-elicited sera

Xie, X., Liu, Y., Liu, J. (2021) *Nature Medicine*

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fentanyl

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1,516 results from Web of Science Core Collection for:

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## Refine results

 Search within results... 

## Quick Filters

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- [Enriched Cited References](#) 4

Publication Years 

- [2023](#) 44
- [2022](#) 30
- [2021](#) 26

0/1,516 [Add To Marked List](#) [Export](#) ▾ Sort by: Relevance ▾ 1 of 31 

- 1 Determination of fentanyl in human plasma and fentanyl and norfentanyl in human urine using LC-MS/MS

54 Citations

**Semantic search result**

[Huynh, NH; Tyrefors, N; \(...\); Johansson, M](#)  
15th International Symposium on Pharmaceutical and Biomedical Analysis

Apr 29 2005 | [JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS](#) 37 (5) , pp.1095-1100

Fentanyl, a potent analgesic drug, has traditionally been used intravenously in surgical or diagnostic operations. Formulations with fentanyl in oral transmucosal delivery system and in transdermal depot-patch have also been developed against breakthrough pain in cancer patients. In this report, LC-MS/MS methods to determine fentanyl in human plasma as well as fentanyl and its main metabolite,

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- 2 Fentanyl concentrations in 23 postmortem cases from the Hennepin County Medical Examiner's Office

51

 26



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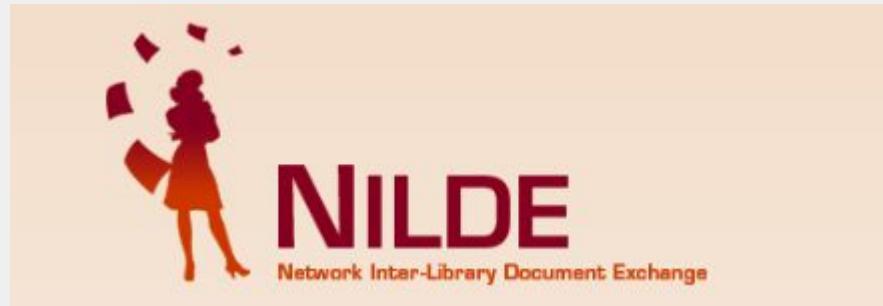


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## Pubchem

Pubchem è una banca dati fattuale, gratuita di ambito chimico.

Si trovano informazioni su strutture chimiche, identificatori, proprietà chimiche e fisiche, attività biologiche, brevetti, dati su salute, sicurezza, tossicità etc.



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COMPOUND SUMMARY

# Aspirin

PubChem CID 2244

[Find Similar Structures](#)

!\*

Chemical Safety

Instant

Laboratory Chemical Safety Summary (LCSS) Datasheet

Molecular Formula

C9H8O4 or CH3COOC6H4COOH or HC9H7O4

Synonyms

aspirin  
ACETYL SALICYLIC ACID  
50-72-8  
2-Acetoxybenzoic acid  
2-(Acetoxy)benzoic acid

[More...](#)

Molecular Weight

180.16

Dates

Modify 2021-10-16 Create 2004-09-16

Aspirin or acetylsalicylic acid is perhaps the most commonly used analgesic and antipyretic medication worldwide, having been in clinical use for over 100 years. Aspirin can cause several forms of liver injury; in high doses, aspirin can cause moderate to marked serum aminotransferase elevations occasionally with jaundice or signs of liver dysfunction, and in lower doses in susceptible children with a febrile illness aspirin can lead to Reye's syndrome.

[LiverTox](#)

Aspirin is an orally administered non-steroidal anti-inflammatory agent. Acetylsalicylic acid binds to and acetylates serine residues in cyclooxygenases, resulting in decreased synthesis of prostaglandin, platelet aggregation, and inflammation. This agent exhibits analgesic, antipyretic, and antiplatelet properties.

[NCI Thesaurus \(NCT\)](#)

Also known as Aspirin, acetylsalicylic acid (ASA) is a commonly used drug for the treatment of pain and fever due to various causes. Acetylsalicylic acid has both anti-inflammatory and antipyretic effects. This drug also inhibits platelet aggregation and is used in the prevention of blood clots stroke, and myocardial infarction (MI). Interestingly, the results of various studies have demonstrated that long term use of acetylsalicylic acid may decrease the risk of various cancers, including colorectal, esophageal, breast, lung, prostate, liver and skin cancer. Aspirin is classified as a non-selective cyclooxygenase (COX) inhibitor and is available in many doses and forms, including chewable tablets, suppositories, extended release formulations, and others. Acetylsalicylic acid is a very common cause of accidental poisoning in young children. It should be kept out of reach from young children, toddlers, and infants.

[DrugBank](#)[View Cite](#) [Download](#)

## CONTENTS

## Title and Summary

- 1 Structures
- 2 Names and Identifiers
- 3 Chemical and Physical Properties
- 4 Spectral Information
- 5 Related Records
- 6 Chemical Vendors
- 7 Drug and Medication Information
- 8 Pharmacology and Biochemistry
- 9 Use and Manufacturing
- 10 Identification
- 11 Safety and Hazards
- 12 Toxicity
- 13 Associated Disorders and Diseases
- 14 Literature
- 15 Patents
- 16 Biomolecular Interactions and Pathways
- 17 Biological Test Results

## PubChem Aspirin (Compound)

[View Record](#) [View Citation](#) [View Compound](#) [View Identifier](#) [View Structure](#) [View Spectrum](#) [View Chemical Supplier](#) [View Clinical Trial](#) [View Hazardous Substances Data Bank \(HSDB\)](#)

## 3.2.2 Color/Form

Monoclonal tablets or needle-like crystals

[O'Neil, M.J. \(ed.\). \*The Merck Index - A Encyclopedia of Chemicals, Drugs, and Biologicals\*. Whitehouse Station, NJ: Merck and Co., Inc., 2006, p. 140](#)

Colorless to white, crystalline powder

[NIOSH/NIOSH Pocket Guide to Chemical Hazards & Other Databases CD-ROM, Department of Health & Human Services, Centers for Disease Prevention & Control, National Institute for Occupational Safety & Health, DHHS \(NIOSH\) Publication No. 2005-151 \(2005\)](#)[Hazardous Substances Data Bank \(HSDB\)](#)

## 3.2.3 Odor

Odorless, but in moist air it is gradually hydrolyzed and acquires odor of acetic acid

[O'Neil, M.J. \(ed.\). \*The Merck Index - A Encyclopedia of Chemicals, Drugs, and Biologicals\*. Whitehouse Station, NJ: Merck and Co., Inc., 2006, p. 140](#)[Hazardous Substances Data Bank \(HSDB\)](#)

Odorless [Note: Develops the vinegar-like odor of acetic acid on contact with moisture]

[NIOSH/NIOSH Pocket Guide to Chemical Hazards & Other Databases CD-ROM, Department of Health & Human Services, Centers for Disease Prevention & Control, National Institute for Occupational Safety & Health, DHHS \(NIOSH\) Publication No. 2005-151 \(2005\)](#)[Hazardous Substances Data Bank \(HSDB\)](#)

## 3.2.4 Boiling Point

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## CONTENTS

- 1 Title and Summary
- 2 Structures
- 3 Names and Identifiers
- 4 Chemical and Physical Properties
- 5 Related Records
- 6 Chemical Vendors
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- 17 Biological Test Results
- 18 Classification



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## Informatore farmaceutico (Codifa)

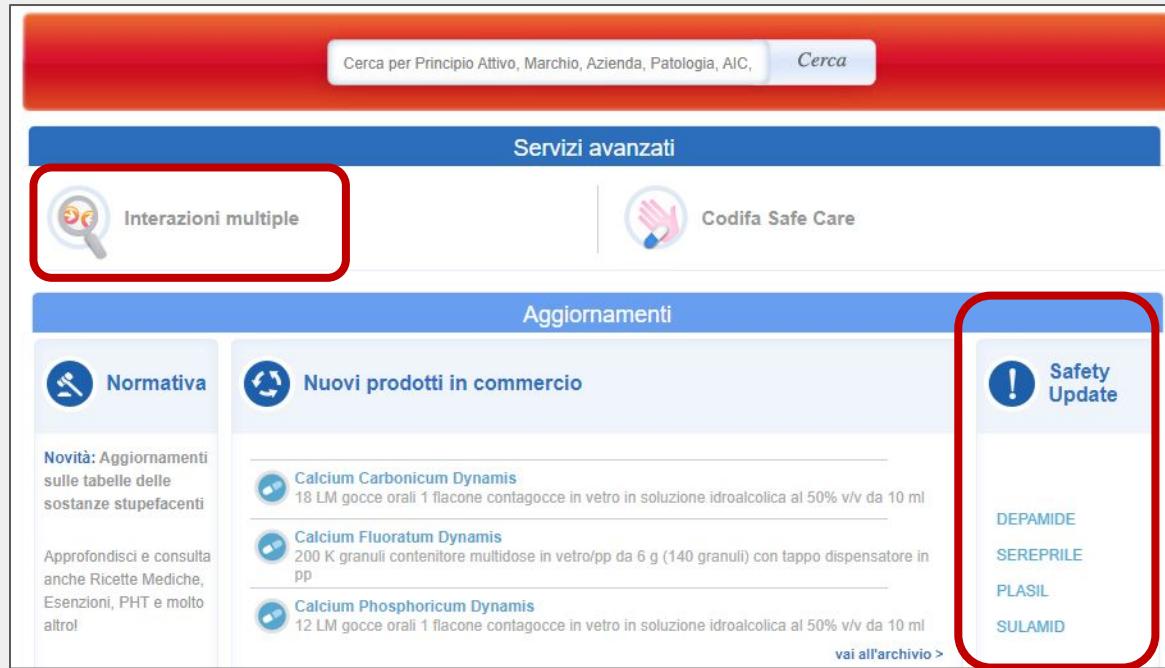
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(Attenzione 1 accesso alla volta)



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Cerca per Principio Attivo, Marchio, Azienda, Patologia, AIC, **Cerca**

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Codifa Safe Care

Aggiornamenti

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Novità: Aggiornamenti sulle tabelle delle sostanze stupefacenti

Approfondisci e consulta anche Ricette Mediche, Esenzioni, PHT e molto altro!

Calcium Carbonicum Dynamis  
18 LM gocce orali 1 flacone contagocce in vetro in soluzione idroalcolica al 50% v/v da 10 ml

Calcium Fluoratum Dynamis  
200 K granuli contenitore multidose in vetro/pp da 6 g (140 granuli) con tappo dispensatore in pp

Calcium Phosphoricum Dynamis  
12 LM gocce orali 1 flacone contagocce in vetro in soluzione idroalcolica al 50% v/v da 10 ml

vai all'archivio >

Safety Update

! DEPAMIDE  
SEREPRILE  
PLASIL  
SULAMID

E' possibile visualizzare gli RCP dei farmaci, le precauzioni da valutare e le interazioni. Le informazioni riportate sono aggiornate in tempo reale attraverso i contatti diretti con le aziende farmaceutiche e parafarmaceutiche e l'utilizzo di fonti ufficiali quali AIFA, EMA, Gazzetta Ufficiale e Ministero della Salute.

## ASPIRINA

Bayer S.p.A.  
325 mg 10 compresse

Ultimo aggiornamento il: 20/07/2021



Stampa



## Precauzioni da valutare



I simboli sono da interpretarsi come segnalazione di precauzione nell'uso, di valutazione del prodotto e dell'eventuale rapporto rischio beneficio



N° INTERAZIONI TOTALI: 276



17 Interazione clinicamente rilevante



135 Interazione rilevante gestibile con aggiustamento del dosaggio

AIC	004763254
TITOLARE	Bayer S.p.A.
CLASSE	C
RICETTA	OTC - medicinale di automedicazione
ATC	N02BA01 - Acido acetilsalicilico
PRINCIPIO ATTIVO	acido acetilsalicilico
GRUPPO TERAP.	Antiaggreganti piastrinici, Antipiretici, Analgesici FANS
PREZZO	€ 6,3
FORMA FARMACEUTICA	compressa
PIANO TERAPEUTICO	No
PHT	No

## RCP

- 1 - DENOMINAZIONE DEL MEDICINALE
- 2 - COMPOSIZIONE QUALITATIVA E QUANTITATIVA
- 3 - FORMA FARMACEUTICA
- 4 - INFORMAZIONI CLINICHE
  - 4.1 - Indicazioni terapeutiche
  - 4.2 - Posologia e modo di somministrazione
  - 4.3 - Controindicazioni
  - 4.4 - Avvertenze speciali e precauzioni d'impiego
  - 4.5 - Interazioni con altri medicinali ed altre forme d'interazione
  - 4.6 - Fertilità, gravidanza e allattamento
  - 4.7 - Effetti sulla capacità di guidare veicoli e sull'uso di macchinari
  - 4.8 - Effetti indesiderati
  - 4.9 - Sovradosaggio
- 5 - PROPRIETA' FARMACOLOGICHE
  - 5.1 - Proprietà farmacodinamiche
  - 5.2 - Proprietà farmacocinetiche
  - 5.3 - Dati preclinici di sicurezza
- 6 - INFORMAZIONI FARMACEUTICHE
  - 6.1 - Elenco degli eccipienti
  - 6.2 - Incompatibilità
  - 6.3 - Periodo di validità
  - 6.4 - Precauzioni particolari per la conservazione
  - 6.5 - Natura e contenuto del contenitore
  - 6.6 - Precauzioni particolari per lo smaltimento e la manipolazione
- 7 - TITOLARE DELL'AUTORIZZAZIONE ALL'IMMISSIONE IN COMMERCIO
- 8 - NUMERO(I) DELL'AUTORIZZAZIONE ALL'IMMISSIONE IN COMMERCIO
- 9 - DATA DELLA PRIMA AUTORIZZAZIONE/RINNOVO DELL'AUTORIZZAZIONE
- 10 - DATA DI REVISIONE DEL TESTO
- 11 - DO-SIMETRIA
- 12 - ISTRUZIONI PER LA PREPARAZIONE DI RADIOFARMACI

SISTEMA SUPPORTO PRESCRIZIONE  

 Codifa safecare

1 2 3 4 5

Area

Selezione l'area o l'apparato inerente la patologia di cui è affetto il paziente

<input type="radio"/> Apparato cardiovascolare	<input type="radio"/> Apparato respiratorio	<input type="radio"/> Dermatologia	<input type="radio"/> Endocrinologia e metabolismo
<input type="radio"/> Gastroenterologia	<input type="radio"/> Malattie infettive	<input type="radio"/> Nefrologia e urologia	<input type="radio"/> Neurologia
<input type="radio"/> Oculistica	<input type="radio"/> Oncologia	<input type="radio"/> Ostetricia e ginecologia	<input type="radio"/> Otorinolaringoiatria
<input type="radio"/> Psichiatria	<input type="radio"/> Reumatologia e immunologia		

*Avanti*

SISTEMA SUPPORTO PRESCRIZIONE

 Codifa **safe care**

1      2       3      4      5

Patologia

Selezione la patologia di cui è affetto il paziente

Asma cronica       Broncopneumopatia  
Cronica Ostruttiva -  
Acutizzazione       Ipertensione  
polmonare       Tosse

*Indietro*      *Avanti*

8

BOSENTAN

**DA VALUTARE****BOSENTAN ACCORD**

- 125 mg 56 compresse rivestite con film in blister
- 62,5 mg 56 compresse rivestite con film

**Interagisce con**

REAGILA (CARIPRAZINA) Enterale (per bocca)

[Interazione di rilevanza clinica, è meglio evitare la cosomministrazione](#)**BOSENTAN AUROBINDO**

- 125 mg 56 compresse rivestite con film
- 62,5 mg 56 compresse rivestite con film

**Interagisce con**

REAGILA (CARIPRAZINA) Enterale (per bocca)

[Interazione di rilevanza clinica, è meglio evitare la cosomministrazione](#)

## Micromedex

È un insieme di database in lingua inglese contenenti informazioni evidence-based su farmaci e le loro interazioni, tossicologia, analisi di laboratorio e medicina alternativa.

Disponibile solo dalla sottorete della biblioteca e del dipartimento di scienze del farmaco.

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- The Emergency Use Authorization for hydroxychloroquine sulfate in hospitalized adult and adolescent patients weighing 50 kg or more for suspected or confirmed COVID-19 was revoked on June 15, 2020. The FDA concluded hydroxychloroquine sulfate is unlikely to be effective in the treatment of COVID-19 and the risks of therapy (ie, serious cardiac adverse events and methemoglobinemia) do not justify continued use [2].

**General Dosage Information**

- Each 200-mg tablet of hydroxychloroquine sulfate is equivalent to 155 mg base [3]

**Lupus erythematosus**

- 200 to 400 mg orally once daily or divided twice daily [3]

**Malaria**

- Initial, 800 mg orally for 1 dose followed by 400 mg at 6, 24, and 48 hours after the initial dose (FDA dosage) [3]
- (Weighing greater than 31 kg) Weight-based dosage: 13 mg/kg (MAX, 800 mg) orally for 1 dose, followed by 6.5 mg/kg (MAX, 400 mg) orally at 6, 24, and 48 hours after the first dose (FDA dosage) [3]
- Concomitant medication (*Plasmodium vivax* or *P. ovale* malaria), give in combination with primaquine phosphate 52.6 mg orally daily for 14 days (guideline dosage) [4]

**Malaria; Prophylaxis**

- 400 mg orally once weekly on the same day each week beginning 2 weeks prior to travel to malarious area, continue on same day each week while in area and for 4 weeks after leaving area (FDA dosage) [3]

## Mechanism of Action

### Mechanism of Action

Vedere '[Risposte rapide](#)' per i risultati riassuntivi.

[!\[\]\(11e336dad78f2436226fb664886901af\_img.jpg\) Visualizza documento completo](#)[!\[\]\(d3781ba27fd308372d33bf9a3c1f2ace\_img.jpg\) Stampa](#)

#### A) Hydroxychloroquine Sulfate

##### 1) Mechanism of Action

a) Hydroxychloroquine is a 4-aminoquinoline antimalarial and antirheumatic agent. The precise mechanism by which hydroxychloroquine exhibits activity against Plasmodium is not known. Hydroxychloroquine is a weak base and may exert its effect by concentrating in the acid vesicles of the parasite and inhibiting polymerization of heme. It can also inhibit certain enzymes by its interaction with DNA. The mechanisms underlying the anti-inflammatory and immunomodulatory effects of hydroxychloroquine in the treatment of rheumatoid arthritis, chronic discoid lupus erythematosus and systemic lupus erythematosus are not fully known [1]. In rheumatoid arthritis, it is thought to act as a mild immunosuppressant, inhibiting the production of rheumatoid factor and acute phase reactants. It also accumulates in white blood cells, stabilizing lysosomal membranes and inhibiting the activity of many enzymes, including collagenase and the proteases that cause cartilage breakdown [153].

##### 2) Spectrum of Activity

a) Hydroxychloroquine is active against the erythrocytic forms of chloroquine sensitive strains of *Plasmodium falciparum*, *Plasmodium malariae*, *Plasmodium ovale*, and *Plasmodium vivax*. Hydroxychloroquine is not active against the gametocytes and exoerythrocytic forms including the hypnozoite stage (*P. vivax* and *P. ovale*) of the *Plasmodium* parasites [17].

##### 3) Resistance Patterns

a) *Plasmodium falciparum* strains exhibiting reduced susceptibility to chloroquine also show reduced susceptibility to hydroxychloroquine. Resistance of *Plasmodium* parasites to chloroquine is widespread. Patients in whom chloroquine or hydroxychloroquine have failed to prevent or cure clinical malaria or parasitemia, or patients who acquired malaria in a geographic area where chloroquine resistance is known to occur should be treated with another form of antimalarial therapy [17].

## Pharmacokinetics

### Pharmacokinetics

Vedere 'Risposte rapide' per i risultati riassuntivi.

#### Drug Concentration Levels

##### ADME

#### Drug Concentration Levels

##### A) Hydroxychloroquine Sulfate

###### 1) Therapeutic Drug Concentration

###### a) Systemic lupus erythematosus: 910 nanograms (ng)/mL [148]

1) In a multicenter, prospective study of patients with chronic or subacute systemic lupus erythematosus (n=300), complete remission occurred with significantly higher median hydroxychloroquine levels (910 ng/mL (range, less than 50 to 3057 ng/mL)) compared with partial remission (692 ng/mL (range less than 50 to 2843 ng/mL)) and treatment failure (569 ng/mL (range, less than 50 to 2242 ng/mL)) [148].

###### 2) Peak Concentration

###### a) Oral, single-dose, 400 mg: 1.22 nanomoles (nmol)/mL [146]

1) Mean plasma Cmax was 1.22 +/- 0.4 nmol/mL following a single 400-mg dose of hydroxychloroquine sulfate (equivalent to 310 mg hydroxychloroquine base) in 6 healthy patients [146].

###### b) Oral, single-dose, 200 mg: 129.6 to 244 nanograms (ng)/mL (blood); 46 to 50.3 ng/mL (plasma) [17]

1) Following a single oral dose of hydroxychloroquine sulfate 200 mg (equivalent to 155 mg hydroxychloroquine base) in healthy male volunteers, the mean whole blood Cmax was 129.6 ng/mL and the mean plasma Cmax was 50.3 ng/mL [17].

2) Mean plasma Cmax was 46 ng/mL (range, 34 to 79 ng/mL) following a single 200-mg dose of oral hydroxychloroquine sulfate (equivalent to 155 mg hydroxychloroquine base) in 5 healthy patients; while mean whole blood Cmax was 244 ng/mL (range, 188 to 427 ng/mL) [147].

###### 3) Time to Peak Concentration

###### a) Oral: 2.4 to 3.74 hours [17][146][147]; 3 to 4 hours (chronic use) [17]

 Visualizza documento completo

 Stampa

## Toxicology

### Clinical Effects

 Stampa

#### ACETAMINOPHEN-ACUTE

- USES: Acetaminophen is a mild analgesic and antipyretic. It is available as a non-prescription single ingredient product, in many non-prescription combination products, and in prescription combination products (usually with an opioid). PHARMACOLOGY: The exact mechanism of action is not known. Acetaminophen inhibits cyclooxygenase and this likely is responsible for at least some clinical effects. TOXICOLOGY: In overdose, the usual metabolic pathways are overwhelmed, and acetaminophen is metabolized by CYP2E1 to a reactive metabolite. This metabolite can be detoxified by conjugation with glutathione, but when hepatic glutathione stores are depleted, the metabolite binds to macromolecules in the hepatocyte causing cell death and hepatic necrosis. EPIDEMIOLOGY: Acetaminophen overdose is very common, and there are several hundred deaths from acetaminophen poisoning annually in the United States. MILD TO MODERATE TOXICITY: For the first day after ingestion, patients may be asymptomatic, or only develop nausea, vomiting and abdominal pain. Elevation of serum transaminase (ALT, AST) may begin to develop as soon as 12 hours after ingestion and can range from mild to marked (greater than 10,000 International Units/L) with few other signs or symptoms. Aminotransferase elevations generally peak 2 to 3 days after ingestion. SEVERE TOXICITY: Liver failure, including coagulopathy and hepatic encephalopathy, will occur. Patients may also have renal injury. Massive overdose (initial serum concentration greater than 500 mcg/mL) can produce coma, hyperglycemia, methemoglobinemia, and lactic acidosis. In patients who survive the overdose, both hepatic and renal function usually return to normal. ADVERSE EFFECTS: Generally rare. Some patients may have gastrointestinal upset.

#### ACETAMINOPHEN-REPEATED SUPRATHERAPEUTIC

- USES: Acetaminophen is a non-opioid analgesic and antipyretic medication found in many over-the-counter and prescription products. Repeated supratherapeutic acetaminophen ingestion is defined as repetitive ingestion of more than the recommended maximum daily dose. These ingestions are usually unintentional occurring in patients with acute or chronic pain syndromes or repeated dosing in ill children. PHARMACOLOGY: Acetaminophen is used primarily as an antipyretic and analgesic. Its effects are mediated through the central nervous system. TOXICOLOGY: In therapeutic doses, about 90% of acetaminophen is conjugated in the liver to nontoxic metabolites (glucuronides and sulfates). A small portion (less than 5%) is conjugated by cytochrome P450 CYP2E1 to a toxic metabolite, N-acetyl-p-benzo-quinone imine (NAPQI). This metabolite is further conjugated by glutathione, and eliminated by the kidneys. In toxic doses, the usual metabolic pathways are overwhelmed; acetaminophen is shunted to the cytochrome P450 pathway, and glutathione stores are depleted. Cellular injury and hepatic necrosis occur as NAPQI accumulates. EPIDEMIOLOGY: Acetaminophen poisoning is very common and can be severe. However, the incidence of serious acetaminophen toxicity after repeated doses is negligible and appears to only follow massive dosing or prolonged excessive dosing. MILD TO MODERATE TOXICITY: Toxicity can range from asymptomatic ALT elevation to malaise, nausea, vomiting, abdominal pain, and hepatotoxicity. SEVERE TOXICITY: Jaundice, hypoglycemia, coagulopathy, renal failure,

## Medication Safety

### Drug Interactions (single)



Vedere 'Risposte approfondite' per i risultati dettagliati.

[Visualizza interazioni multiple del farmaco](#)

Migliora in base a: Gravità: [All](#) ▾

Documentazione: [All](#) ▾

Passa a: [Drug-Drug \(2\)](#) | [ALLERGIA \(0\)](#) | [CIBO \(0\)](#) | [ETANOLO \(0\)](#) | [LAB \(0\)](#) | [TABACCO \(0\)](#) | [GRAVIDANZA \(1\)](#) | [ALLATTAMENTO \(1\)](#)

#### Drug-Drug Interazioni (2)

Farmaci:	Gravità:	Documentazione:	Riepilogo:
CHLOROQUINE [Systemic] -- REMDESIVIR [Systemic]	 Major	Fair	Concurrent use of CHLOROQUINE and REMDESIVIR may result in risk of reduced antiviral activity of remdesivir.
HYDROXYCHLOROQUINE [Systemic] -- REMDESIVIR [Systemic]	 Major	Fair	Concurrent use of HYDROXYCHLOROQUINE and REMDESIVIR may result in risk of reduced antiviral activity of remdesivir.

#### Drug-ALLERGIA Interazioni (Nessuna trovata)

[Drug-CIBO Interazioni \(Nessuna trovata\)](#)

**Drug-TABACCO Interazioni (Nessuna trovata)****Drug-GRAVIDANZA Interazioni (1)**

Farmaci:	Gravità:	Documentazione:	Riepilogo:
PREGNANCY -- REMDESIVIR [Systemic]	 Moderate	Unknown	Available evidence is inconclusive or inadequate for determining fetal risk when used in pregnant women.

**Drug-ALLATTAMENTO Interazioni (1)**

Farmaci:	Gravità:	Documentazione:	Riepilogo:
LACTATION -- REMDESIVIR [Systemic]	 Major	Unknown	Infant risk cannot be ruled out: Available evidence and/or expert consensus is inconclusive or is inadequate for determining infant risk when Remdesivir is used during breast-feeding. Weigh the potential benefits of treatment against potential risks before prescribing Remdesivir during breast-feeding.

**Definizioni**

Gravità:	 Controindicato	 Di grande entità	 Moderata	 Di lieve entità	 Sconosciuta
Documentazione:	Eccellente	Buona	Discreta	Sconosciuta	

## Inflammatory bowel disease; Crohn's disease

[Risposte rapide](#)[Risposte approfondite](#)[Tutti i risultati](#)

### Background

[Definition](#)[Epidemiology](#)[Etiology/ Pathophysiology](#)[Genetics](#)

### History And Physical

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### Diagnostic Testing

[Diagnostic Testing Summary](#)[Tests](#)

### Diagnosis

[Differential Diagnosis](#)

### Ongoing Assessment

### Background

#### Epidemiology

#### Incidence and Prevalence

The incidence of Crohn disease in the United States is about 5 per 100,000 persons and the prevalence is about 50 per 100,000 persons [2].

#### Age

Crohn disease can affect any age group [2], but has a peak onset in persons between the ages of 15 to 30 years [3].

#### Race and Ethnicity

In North America, the highest prevalence rates of Crohn disease are found in whites (about 44 per 100,000) and African-Americans (about 30 per 100,000) with the lowest rates found in Asians (about 6 per 100,000) and Hispanics (about 4 per 100,000) [4].

Crohn disease is more common in persons with Ashkenazi Jewish ancestry. The children of North American Ashkenazi Jews with Crohn disease appear to have an earlier onset of the disease [4].

#### Geography

The incidence of Crohn disease varies according to geographic location with higher rates occurring in more developed countries such as the United Kingdom, northern Europe, and North America, and lower rates occurring in developing countries. Southeast Asia, Africa, South America, and Australia have the lowest incidence rates [4]; however, the incidence is rising in less-developed countries with the expansion of industrialization [5].

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Pagina iniziale	Interazioni dei farmaci	Compatibilità EV	Identificazione farmaci	Confronto farmaci	NeoFax® / Pediatrics	Ricerca farmaci e dati tossicologici	Calcolatori
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Drug Monographs

Enteral Formulas

**Dosing Calculators**

## Dosing Calculators - Patient Information

Birthdate: (MM/DD/YYYY)

MM/DD/YYYY



Population Type:

Pediatric



Age

Today

Current Weight:

kg

**Proceed to Calculator**

[Pagina iniziale](#)[Interazioni dei farmaci](#)[Compatibilità EV](#)[Identificazione farmaci](#)[Confronto farmaci](#)[NeoFax® / Pediatrics](#)[Ricerca farmaci e dati tossicologici](#)[Calcolatori](#)

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[All Specialties](#)[Pharmacology](#)[Nursing](#)[Medical Statistics](#)

### By Category

#### Frequent Use Calculators

#### Antidote Dosing And Nomograms

- [Blood Ethanol Concentration Estimation](#)
- [Acetaminophen \(Paracetamol\) Toxicity Assessment](#)
- [NAC Dosing for Acetaminophen Overdose](#)
- [Ethanol - Initial IV Dosing for Methanol/Ethylene Glycol Overdose](#)
- [Ethanol - IV Dosing Adjustment for Methanol/Ethylene Glycol Overdose](#)

#### Dosing Tools

- [ACLS: Adult Emergency Drug Dosing Calculator](#)
- [PALS: Pediatric Emergency Drug Dosing Calculator](#)
- [Heparin Dosing Calculator](#)
- [IV Drip Maintenance Rate Calculator](#)
- [Maintenance Fluid Calculation for Children Based on Hourly Fluid Requirements](#)
- [Maintenance fluid calculation for children based on daily fluid requirements](#)

## AdisInsight

Banca dati a pagamento che raccoglie dati su farmaci in sviluppo a livello globale, relativi a studi clinici e a casi di reazioni avverse ai farmaci.

Presenta il panorama completo a partire dagli stadi precoci di ricerca fino allo sviluppo clinico e agli aspetti di safety successivamente osservati dalla messa in commercio.

Accessibile dalle sedi universitarie e da casa solo via Auth Proxy



<https://adisinsight.springer.com/>

## At a glance

<b>Originator</b>	Amgen
<b>Developer</b>	Amgen; Indiana University; Novartis; Rigshospitalet
<b>Class</b>	Antimigraines; Monoclonal antibodies
<b>Mechanism of Action</b>	Calcitonin gene-related peptide receptor antagonists
<b>Orphan Drug Status</b>	No
<b>New Molecular Entity</b>	Yes

## Highest Development Phases

<b>Marketed</b>	Migraine
<b>Phase II</b>	Headache; Rosacea; Temporomandibular joint dysfunction syndrome; Trigeminal neuralgia
<b>Discontinued</b>	Hot flashes

## Most Recent Events

- 02 Nov 2021** Phase-II clinical trials in Temporomandibular joint dysfunction syndrome (In adults) in USA (SC) (NCT04884763)
- 31 Oct 2021** Dansk Hovedpine Center completes its phase II clinical trials in Trigeminal neuralgia in Denmark (unspecified route) (NCT04054024)
- 28 Jun 2021** No recent reports of development identified for phase-I development in Migraine(In adolescents, In children) in USA

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## AdisInsight

argomento tesi: orphan drugs - Thalidomide

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## Materiali ulteriori disponibili in biblioteca: repertori

### MEDICAMENTA

È una fonte di informazione esauriente e in lingua italiana sui principi attivi e su ogni molecola impiegata in terapia: denominazione, caratteristiche chimico-fisiche, saggi di identificazione e purezza, tossicità, controindicazioni...

Formato cartaceo (versione online con pw accesso dalla biblioteca e dai laboratori)

**MEDICAMENTA**

<http://www.medicamenta.com/it>

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Nomì e sinonimi  
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ATC  
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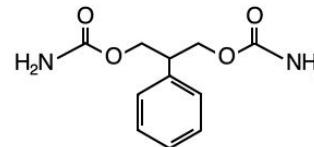
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Ricerca:

**FELBAMATO**

2-Fenil-1,3-propandiole dicarbammato

C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>

pm 238,24

CAS 25451-15-4

**Sinonimi :** 2-feniltrimetilene estere dell'acido carbammico; AD-03055

DCI felbamate

INN felbamate

**Brevetti :** U.S., 2 884 444, 1959; U.S., 4 978 680, 1990**Proprietà chimico-fisiche** - Polvere bianca, inodore. Moderatamente solubile in acqua, in metanolo, in etanolo, in acetone e in clorformio; molto solubile in dimetilsulfossido e in dimetilformamide.

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p.i. = 151-152 A C

**Proprietà farmacologiche** - Il felbamato è un farmaco anticonvulsivante strutturalmente correlato al **meprobamato**, ma differente dal punto di vista farmacologico. L'esatto meccanismo d'azione non è noto, anche se il farmaco sembra agire innalzando la soglia delle convulsioni e prevenendo la loro diffusione. Nell'animale da laboratorio il felbamato protegge dalle convulsioni indotte da stimolazione elettrica facendo presupporre una sua efficacia nel trattamento dell'epilessia tonico-clonica (grande male) e parziale. Sempre nell'animale, il farmaco previene le convulsioni indotte da pentilentetrazolo (e quindi può essere efficace nel trattamento delle crisi di assenza nel piccolo male), picrotossina, glutammato, mentre non riesce a prevenire le convulsioni indotte da bicucullina o stricnina.

**Farmacocinetica** - Il felbamato è ben assorbito dal tratto gastrointestinale e le concentrazioni plasmatiche massime vengono raggiunte 1-6 ore dopo la somministrazione orale. Alle dosi raccomandate la cinetica del felbamato è lineare e le concentrazioni plasmatiche terapeutiche sono comprese tra 20 e 100 mg/ml. Il legame con le proteine plasmatiche è del 22-36%, il volume di distribuzione è di 0,76-0,8 l/kg e l'emivita di eliminazione è compresa tra 14 e 23 ore. Il felbamato viene parzialmente metabolizzato nel fegato, per idrossilazione e coniugazione, dando luogo a prodotti inattivi. Viene escreto principalmente nelle urine dove si ritrova sia in forma immodificata (49%) che come metaboliti; l'escrezione nelle feci è inferiore al 4%. Nel ratto il felbamato attraversa la barriera placentare e viene escreto nel latte materno.

**Tossicità** - Nel topo il valore della DL50 per i.p. è di 4000 mg/kg.

**Indicazioni terapeutiche** - Nell'adulto il felbamato viene usato, sia in monoterapia che come farmaco aggiuntivo, nel trattamento delle convulsioni parziali resistenti, con o senza generalizzazione secondaria. Nel bambino il felbamato può essere usato come farmaco aggiuntivo per controllare le convulsioni associate alla sindrome di Lennox-Gastaut. A causa della sua tossicità il felbamato non deve essere considerato un farmaco di prima scelta e dovrebbe essere usato solo nel trattamento di pazienti che non rispondono ad altri farmaci o che siano intolleranti a essi.

## EUROPEAN PHARMACOPOEIA

È il codice farmaceutico che armonizza i testi delle principali farmacopee ufficiali degli Stati Europei e individua norme comuni riconosciute sulla qualità dei medicinali.

Complesso di disposizioni tecnico/scientifiche ed amministrative, per il controllo della qualità dei medicamenti, delle sostanze e/o dei preparati finali, mediante l'indicazione di metodi di verifica chimico analitici e tecnologici delle specifiche di qualità, dei metodi di preparazione o della formulazione.

In formato cartaceo ma anche online con pw (solo per docenti e laureandi..)

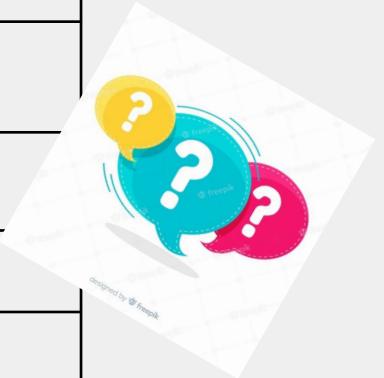


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Pubmed	biomedico	bibliografica			x
Pubchem	chimico		x		x
Codifa	farmaceutico		x	x	
Micromedex	farmaceutico		x	x	
AdisInsight	farmaceutico		x	x	

## Cosa cerco e dove lo trovo

Tipo di ricerca	Dove cercare
Sostanza	Pubchem, Medicamenta, European Pharmacopoeia, Farmacopea italiana
Farmaco	Codifa, Medicamenta, Micromedex, AdisInsight
Tossicità ed effetti collaterali	Codifa, Micromedex, Pubchem
Farmacodinamica/cinetica	Pubmed, Micromedex, Codifa
Studi clinici	Pubmed, AdisInsight
Interazioni farmacologiche	Codifa, Micromedex, Pubmed
letteratura scientifica	Pubmed, Scopus e WOS



...e queste sono solo le principali, ce ne sono ancora molte altre.  
Se hai bisogno chiedi aiuto in biblioteca!



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