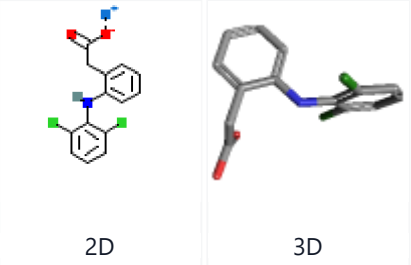
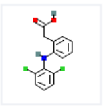
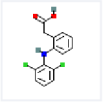
PubChem

COMPOUND SUMMARY

Diclofenac sodium

Cite | Download

PubChem CID	5018304
Structure	 2D 3D
Chemical Safety	 Acute Toxic, Irritant, Health Hazard, Environmental Hazard Laboratory Chemical Safety Summary (LCSS) Datasheet
Molecular Formula	$C_{14}H_{10}Cl_2NNaO_2$
Synonyms	Diclofenac sodium QTG126297Q Voltaren 15307-79-6 Diclofenac sodium salt View More...
Molecular Weight	318.1 g/mol *Computed by PubChem 2.2 (PubChem release 2021.10.14)*
Parent Compound	 CID 3033 (Diclofenac)
Component Compounds	CID 5360545 (Sodium)  CID 3033 (Diclofenac)

Dates	Create: 2005-09-18	Modify: 2024-11-16

Description

Diclofenac sodium is the sodium salt of diclofenac. It contains a diclofenac(1-).

▸ ChEBI

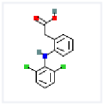
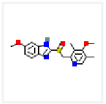
Diclofenac Sodium is the sodium salt form of diclofenac, a benzene acetic acid derivate and nonsteroidal anti-inflammatory drug (NSAID) with analgesic, antipyretic and anti-inflammatory activity. Diclofenac sodium is a non-selective reversible and competitive inhibitor of cyclooxygenase (COX), subsequently blocking the conversion of arachidonic acid into prostaglandin precursors. This leads to an inhibition of the formation of prostaglandins that are involved in pain, inflammation and fever.

▸ NCI Thesaurus (NCIt)

DICLOFENAC SODIUM is a small molecule drug with a maximum clinical trial phase of IV (across all indications) that was first approved in 1988 and has 5 approved and 16 investigational indications. This drug has a black box warning from the FDA.

▸ Open Targets

View More...

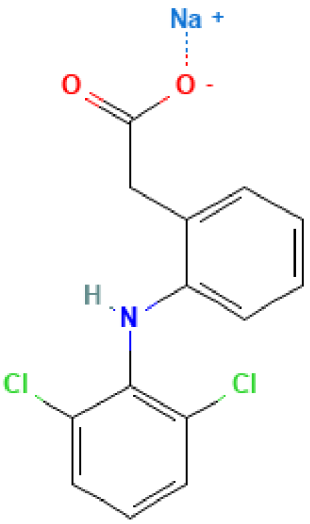
See also:  Diclofenac (brandname of);  Omeprazole (has active ingredient); Capsicum Oleoresin (has active ingredient) ... View More ...

Contents

1 Structures

1.1 2D Structure

Chemical Structure Depiction



PubChem

1.2 3D Conformer

3D Conformer of Parent

PubChem

2 Names and Identifiers

2.1 Computed Descriptors

2.1.1 IUPAC Name

sodium;2-[2-(2,6-dichloroanilino)phenyl]acetate

Computed by Lexichem TK 2.7.0 (PubChem release 2021.10.14)

PubChem

2.1.2 InChI

InChI=1S/C14H11Cl2NO2.Na/c15-10-5-3-6-11(16)14(10)17-12-7-2-1-4-9(12)8-13(18)19;/h1-7,17H,8H2,(H,18,19);/q;+1/p-1

Computed by InChI 1.0.6 (PubChem release 2021.10.14)

PubChem

2.1.3 InChIKey

KPHWPUGNDIVLNH-UHFFFAOYSA-M

Computed by InChI 1.0.6 (PubChem release 2021.10.14)

PubChem

2.1.4 SMILES

C1=CC=C(C(=C1)CC(=O)[O-])NC2=C(C=CC=C2Cl)Cl.[Na+]

Computed by OEChem 2.3.0 (PubChem release 2021.10.14)

PubChem

2.2 Molecular Formula

$C_{14}H_{10}Cl_2NNaO_2$

Computed by PubChem 2.2 (PubChem release 2021.10.14)

PubChem

2.3 Other Identifiers

2.3.1 CAS

15307-79-6

Australian Industrial Chemicals Introduction Scheme (AICIS); ChemIDplus; EPA DSSTox; European Chemica...

2.3.2 Deprecated CAS

1147187-62-9

ChemIDplus

2.3.3 European Community (EC) Number

239-346-4

European Chemicals Agency (ECHA)

2.3.4 UNII

QTG126297Q

FDA Global Substance Registration System (GSRS)

2.3.5 ChEBI ID

CHEBI:4509

ChEBI

2.3.6 ChEMBL ID

CHEMBL1034

- ChEMBL

2.3.7 DSSTox Substance ID

DTXSID3037208

- EPA DSSTox

2.3.8 KEGG ID

D00904

- KEGG

2.3.9 NCI Thesaurus Code

C47984

- NCI Thesaurus (NCIt)

2.3.10 Nikkaji Number

J8.556A

- Japan Chemical Substance Dictionary (Nikkaji)

2.3.11 RXCUI

203214

- NLM RxNorm Terminology

2.3.12 Wikidata

Q12430631

- Wikidata

2.4 Synonyms

2.4.1 MeSH Entry Terms

Dichlofenal	GP45,840
Diclofenac	Novapirina
Diclofenac Potassium	Orthofen
Diclofenac Sodium	Orthophen
Diclofenac, Sodium	Ortofen
Diclonate P	Sodium Diclofenac
Diclophenac	SR 38
Dicrofenac	SR-38
Feloran	SR38
GP 45,840	Voltaren
GP-45,840	Voltarol

▸ Medical Subject Headings (MeSH)

2.4.2 Depositor-Supplied Synonyms

Diclofenac sodium	Dyloject	Diclomax	Xenid	D
QTG126297Q	Ecofenac	Dicloreum	Voltaren-XR	Be
Voltaren	Abitren	Duravolten	Orthophen	2-
15307-79-6	Solaraze	Effekton	Voltarol	M
Diclofenac sodium salt	Diclofenac (Sodium)	Feloran	Novapirina	N
Sodium diclofenac	GP 45840	Lexobene	Rhumalgan	Sc
Prophenatin	Diclophlogont	Pennsaid	Sodium (o-(2,6-dichloroanilino)phenyl)acetate	so
Neriodin	Dealgic	Primofenac	Olfen	(o
Diclophenac sodium	Deflamat	Rewodina	DICLOFLEX	so
Benfofen	Delphinac	Voldal	CHEBI:4509	M

▸ PubChem

3 Chemical and Physical Properties

3.1 Computed Properties

Property Name	Property Value	Reference
Molecular Weight	318.1 g/mol	Computed by PubChem 2.2 (PubChem release 2021.10.14)
Hydrogen Bond Donor Count	1	Computed by Cactvs 3.4.8.18 (PubChem release 2021.10.14)
Hydrogen Bond Acceptor Count	3	Computed by Cactvs 3.4.8.18 (PubChem release 2021.10.14)

Rotatable Bond Count	4	Computed by Cactvs 3.4.8.18 (PubChem release 2021.10.14)
Exact Mass	316.9986282 g/mol	Computed by PubChem 2.2 (PubChem release 2021.10.14)
Monoisotopic Mass	316.9986282 g/mol	Computed by PubChem 2.2 (PubChem release 2021.10.14)
Topological Polar Surface Area	52.2Å^2	Computed by Cactvs 3.4.8.18 (PubChem release 2021.10.14)
Heavy Atom Count	20	Computed by PubChem
Formal Charge	0	Computed by PubChem
Complexity	310	Computed by Cactvs 3.4.8.18 (PubChem release 2021.10.14)
Isotope Atom Count	0	Computed by PubChem
Defined Atom Stereocenter Count	0	Computed by PubChem
Undefined Atom Stereocenter Count	0	Computed by PubChem
Defined Bond Stereocenter Count	0	Computed by PubChem
Undefined Bond Stereocenter Count	0	Computed by PubChem
Covalently-Bonded Unit Count	2	Computed by PubChem
Compound Is Canonicalized	Yes	Computed by PubChem (release 2021.10.14)

▸ PubChem

3.2 Experimental Properties

3.2.1 Collision Cross Section

157.2 Å^2 $[M+H]^+$ [CCS Type: TW; Method: calibrated with polyalanine and drug standards]

https://pubs.acs.org/doi/abs/10.1021/acs.analchem.7b01709

▸ CCSbase

3.3 Chemical Classes

3.3.1 Drugs

3.3.1.1 Human Drugs

Breast Feeding; Lactation; Milk, Human; Analgesic Agents; Anti-inflammatory Agents, Nonsteroidal

- Drugs and Lactation Database (LactMed)

Human drug -> Prescription; Over-the-counter; None (Tentative Approval); Discontinued; Active ingredient (DICLOFENAC SODIUM)

- Drugs@FDA

Human drug -> Discontinued

- Drugs@FDA

Human drug -> Over-the-counter

- Drugs@FDA

Paediatric drug

- European Medicines Agency (EMA)

3.3.1.2 Animal Drugs

Active Ingredients (Diclofenac sodium) -> FDA Greenbook

- FDA Approved Animal Drug Products (Green Book)

4 Spectral Information

4.1 Mass Spectrometry

4.1.1 GC-MS

Source of Spectrum	JZ-1992-1288-0
Copyright	Copyright © 2020-2024 John Wiley & Sons, Inc. All Rights Reserved.

Thumbnail	

SpectraBase

4.2 IR Spectra

4.2.1 ATR-IR Spectra

Instrument Name	Bio-Rad FTS
Technique	ATR-Neat (DuraSamplIR II)
Source of Spectrum	Forensic Spectral Research
Source of Sample	Sigma-Aldrich Inc.
Catalog Number	D6899
Lot Number	058K0810
Copyright	Copyright © 2009-2024 John Wiley & Sons, Inc. All Rights Reserved.
Thumbnail	

SpectraBase

4.3 Raman Spectra

Technique	FT-Raman
Source of Spectrum	Forensic Spectral Research
Source of Sample	Sigma-Aldrich Inc.
Catalog Number	D6899
Lot Number	058K0810
Copyright	Copyright © 2012-2024 John Wiley & Sons, Inc. All Rights Reserved.
Thumbnail	

SpectraBase

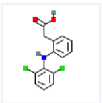
5 Related Records

5.1 Related Compounds with Annotation

Follow these links to do a live 2D search or do a live 3D search for this compound, sorted by annotation score. This section is deprecated (see here for details), but these live search links provide equivalent functionality to the table that was previously shown here.

PubChem

5.2 Parent Compound

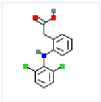


CID 3033 (Diclofenac)

PubChem

5.3 Component Compounds

CID 5360545 (Sodium)



CID 3033 (Diclofenac)

PubChem

5.4 Related Compounds

Same Connectivity Count	3
Same Parent, Connectivity Count	129
Same Parent, Exact Count	117
Mixtures, Components, and Neutralized Forms Count	2
Similar Compounds (2D)	View in PubChem Search
Similar Conformers (3D)	View in PubChem Search

PubChem

5.5 Substances

5.5.1 PubChem Reference Collection SID

481107084

PubChem

5.5.2 Related Substances

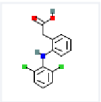
Same Count	240

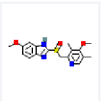
PubChem

5.5.3 Substances by Category

PubChem

5.6 Other Relationships


Diclofenac (brandname of)


Omeprazole (has active ingredient)

Capsicum Oleoresin (has active ingredient)
Diclofenac Sodium; Misoprostol (component of)
Diclofenac Sodium, Capsaicin (active ingredient of)
Diclofenac sodium; lidocaine (component of)
Diclofenac sodium, isopropyl alcohol (active ingredient of)
Diclofenac Sodium, Kinesiology tape (active ingredie
Leflunomide and Diclofenac Sodium Gel (active ingre
Diclofenac sodium; lidocaine hydrochloride (compon
Diclofenac Sodium and Capsaicin (active ingredient o
Diclofenac Sodium and Menthol, Methyl salicylate (a

PubChem

5.7 Entrez Crosslinks

Gene Count	2

PubChem

6 Chemical Vendors

PubChem

7 Drug and Medication Information

7.1 Drug Indication

Treatment of inflammation, Treatment of pain

European Medicines Agency (EMA)

Open Targets

7.2 Drug Classes

Breast Feeding; Lactation; Milk, Human; Analgesic Agents; Anti-inflammatory Agents, Nonsteroidal

Drugs and Lactation Database (LactMed)

7.3 FDA Medication Guides

1 of 6 View All

Drug	Active Ingredient	Form;Route	Company	Date
Solaraze	Diclofenac Sodium	GEL;TOPICAL	FOUGERA PHARMS	11/14/22

FDA Medication Guides

2 of 6 View All

Drug	Active Ingredient	Form;Route	Company	Date
PENNSAID	DICLOFENAC SODIUM	SOLUTION;TOPICAL	NUVO PHARMS INC	5/9/16
PENNSAID	DICLOFENAC SODIUM	SOLUTION;TOPICAL	HORIZON	6/7/21

FDA Medication Guides

3 of 6 View All

Drug	Active Ingredient	Form;Route	Company	Date
SOLARAZE	DICLOFENAC SODIUM	GEL;TOPICAL	FOUGERA PHARMS	4/28/21

FDA Medication Guides

7.4 FDA Approved Drugs

Drugs@FDA

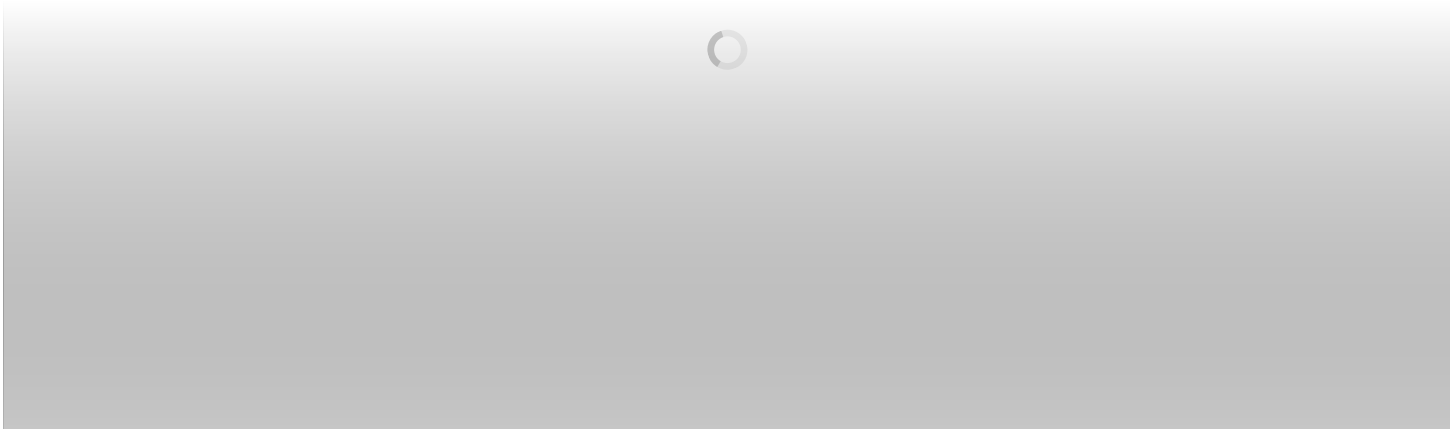
7.5 FDA Orange Book

▸ FDA Orange Book

7.6 FDA National Drug Code Directory

▸ National Drug Code (NDC) Directory

7.7 FDA Green Book



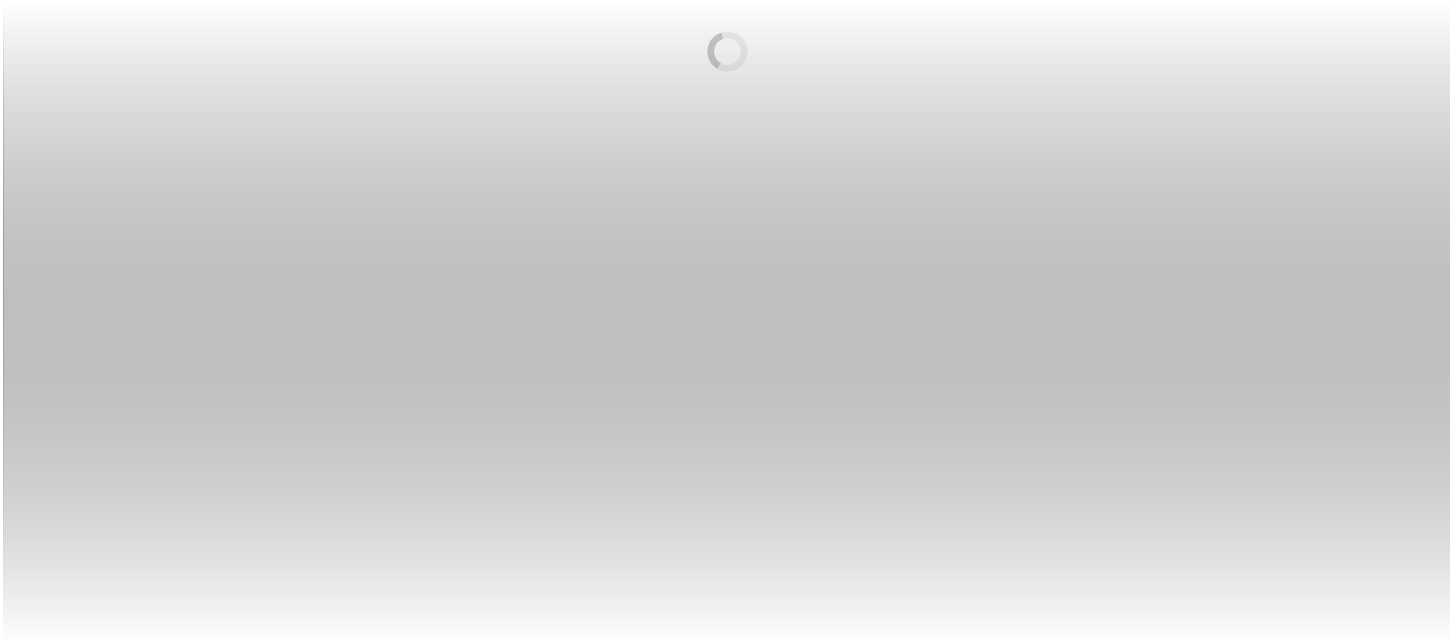
FDA Approved Animal Drug Products (Green Book)

7.8 Drug Labels

Drug and label

DailyMed

Active ingredient and drug



DailyMed

7.9 Clinical Trials

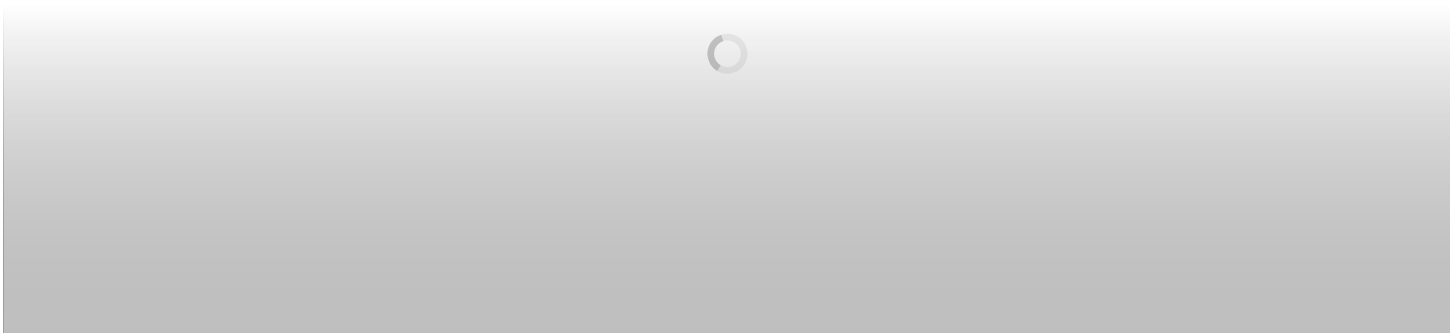
7.9.1 ClinicalTrials.gov

▸ ClinicalTrials.gov

7.9.2 EU Clinical Trials Register

▸ EU Clinical Trials Register

7.9.3 NIPH Clinical Trials Search of Japan



NIPH Clinical Trials Search of Japan

7.10 EMA Drug Information

Type	Paediatric investigation
Active Substance	Diclofenac (sodium)
Therapeutic Area	Pain
Drug Form	Cutaneous solution
Administration Route	Cutaneous use
Decision Type	W: decision granting a waiver in all age groups for all conditions or indications
Decision Date	2017-08-09

European Medicines Agency (EMA)

8 Pharmacology and Biochemistry

8.1 MeSH Pharmacological Classification

Anti-Inflammatory Agents, Non-Steroidal

Anti-inflammatory agents that are non-steroidal in nature. In addition to anti-inflammatory actions, they have analgesic, antipyretic, and platelet-inhibitory actions. They act by blocking the synthesis of prostaglandins by inhibiting cyclooxygenase, which converts arachidonic acid to cyclic endoperoxides, precursors of prostaglandins. Inhibition of prostaglandin synthesis accounts for their analgesic, antipyretic, and platelet-inhibitory actions; other mechanisms may contribute to their anti-inflammatory effects. (See all compounds classified as Anti-Inflammatory Agents, Non-Steroidal.)

Medical Subject Headings (MeSH)

Cyclooxygenase Inhibitors

Compounds or agents that combine with cyclooxygenase (PROSTAGLANDIN-ENDOPEROXIDE SYNTHASES) and thereby prevent its substrate-enzyme combination with arachidonic acid and the formation of eicosanoids, prostaglandins, and thromboxanes. (See all compounds classified as Cyclooxygenase Inhibitors.)

- Medical Subject Headings (MeSH)

8.2 FDA Pharmacological Classification

Non-Proprietary Name	DICLOFENAC SODIUM
Pharmacological Classes	Decreased Prostaglandin Production [PE]; Anti-Inflammatory Agents, Non-Steroidal [CS]; Cyclooxygenase Inhibitors [MoA]; Nonsteroidal Anti-inflammatory Drug [EPC]

- National Drug Code (NDC) Directory

9 Use and Manufacturing

9.1 Uses

9.1.1 Use Classification

Human Drugs -> EU pediatric investigation plans

- European Medicines Agency (EMA)

Animal Drugs -> FDA Approved Animal Drug Products (Green Book) -> Active Ingredients

- FDA Approved Animal Drug Products (Green Book)

Human Drugs -> FDA Approved Drug Products with Therapeutic Equivalence Evaluations (Orange Book) -> Active Ingredients

- FDA Orange Book

10 Safety and Hazards

10.1 Hazards Identification

10.1.1 GHS Classification

Pictogram(s)	
Signal	Danger
GHS Hazard Statements	H301 (96.3%): Toxic if swallowed [**Danger** Acute toxicity, oral] H315 (15.8%): Causes skin irritation [**Warning** Skin corrosion/irritation]

	H319 (15.4%): Causes serious eye irritation [**Warning** Serious eye damage/eye irritation] H331 (24.5%): Toxic if inhaled [**Danger** Acute toxicity, inhalation] H361 (52.3%): Suspected of damaging fertility or the unborn child [**Warning** Reproductive toxicity] H372 (49.8%): Causes damage to organs through prolonged or repeated exposure [**Danger** Specific target organ toxicity, repeated exposure] H411 (46.9%): Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment, long-term hazard]
Precautionary Statement Codes	P203, P260, P261, P264, P264+P265, P270, P271, P273, P280, P301+P316, P302+P352, P304+P340, P305+P351+P338, P316, P318, P319, P321, P330, P332+P317, P337+P317, P362+P364, P391, P403+P233, P405, and P501 (The corresponding statement to each P-code can be found at the GHS Classification page.)
ECHA C&L Notifications Summary	*Aggregated GHS information provided per 241 reports by companies from 42 notifications to the ECHA C&L Inventory. Each notification may be associated with multiple companies.* *Information may vary between notifications depending on impurities, additives, and other factors. The percentage value in parenthesis indicates the notified classification ratio from companies that provide hazard codes. Only hazard codes with percentage values above 10% are shown.*

▸ European Chemicals Agency (ECHA)

10.1.2 Hazard Classes and Categories

Acute Tox. 3 (96.3%)

Skin Irrit. 2 (15.8%)

Eye Irrit. 2 (15.4%)

Acute Tox. 3 (24.5%)

Repr. 2 (52.3%)

STOT RE 1 (49.8%)

Aquatic Chronic 2 (46.9%)

▸ European Chemicals Agency (ECHA)

10.2 Regulatory Information

REACH Registered Substance

Status: Active Update: 27-05-2019 https://echa.europa.eu/registration-dossier/-/registered-dossier/13423

▸ European Chemicals Agency (ECHA)

New Zealand EPA Inventory of Chemical Status

Diclofenac sodium: Does not have an individual approval but may be used under an appropriate group standard

▸ New Zealand Environmental Protection Authority (EPA)

10.3 Other Safety Information

Chemical Assessment

IMAP assessments - Benzeneacetic acid, 2-[(2,6-dichlorophenyl)amino]-, monosodium salt: Environment tier I assessment

IMAP assessments - Benzeneacetic acid, 2-[(2,6-dichlorophenyl)amino]-, monosodium salt: Human health tier I assessment

▸ Australian Industrial Chemicals Introduction Scheme (AICIS)

11 Toxicity

11.1 Toxicological Information

11.1.1 Effects During Pregnancy and Lactation

◉ Summary of Use during Lactation

Data on excretion of diclofenac into milk are poor, but the drug has a short half-life and little glucuronide metabolite formation. Levels in milk appear to be quite low. Most reviewers consider diclofenac to be acceptable during breastfeeding. Other agents having more published information may be preferred, especially while nursing a newborn or preterm infant.

Maternal use of diclofenac topical gel or eye drops would not be expected to cause any adverse effects in breastfed infants. To substantially diminish the amount of drug that reaches the breastmilk after using eye drops, place pressure over the tear duct by the corner of the eye for 1 minute or more, then remove the excess solution with an absorbent tissue.

◉ Effects in Breastfed Infants

In one study, 30 mothers undergoing elective cesarean section were allowed to use 25 mg diclofenac suppositories along with either spinal or spinal and epidural anesthesia with a local anesthetic after delivery. The spinal anesthetic group used an average of 56 mg of diclofenac on the day of delivery and 33 mg on the next day whereas the women receiving both spinal and epidural anesthesia used 21 and 18 mg. No mention was made of adverse effects on the breastfed infants.

A breastfed infant developed urticaria on day 15 of life. Her mother had been taking diclofenac (dosage unspecified) for pain since her cesarean section delivery. Diclofenac is a possible cause of the urticaria; however, the infant had also received hepatitis B vaccination 7 days before and the authors thought that it was a more likely cause of the reaction.

◉ Effects on Lactation and Breastmilk

A randomized, double-blind study was performed in pregnant women scheduled for cesarean section under spinal anesthesia with bupivacaine and fentanyl. Patients received either 100 mg diclofenac (n = 100), 100 mg tramadol (n = 100) or placebo (glycerin suppositories) n = 100, all given as rectal

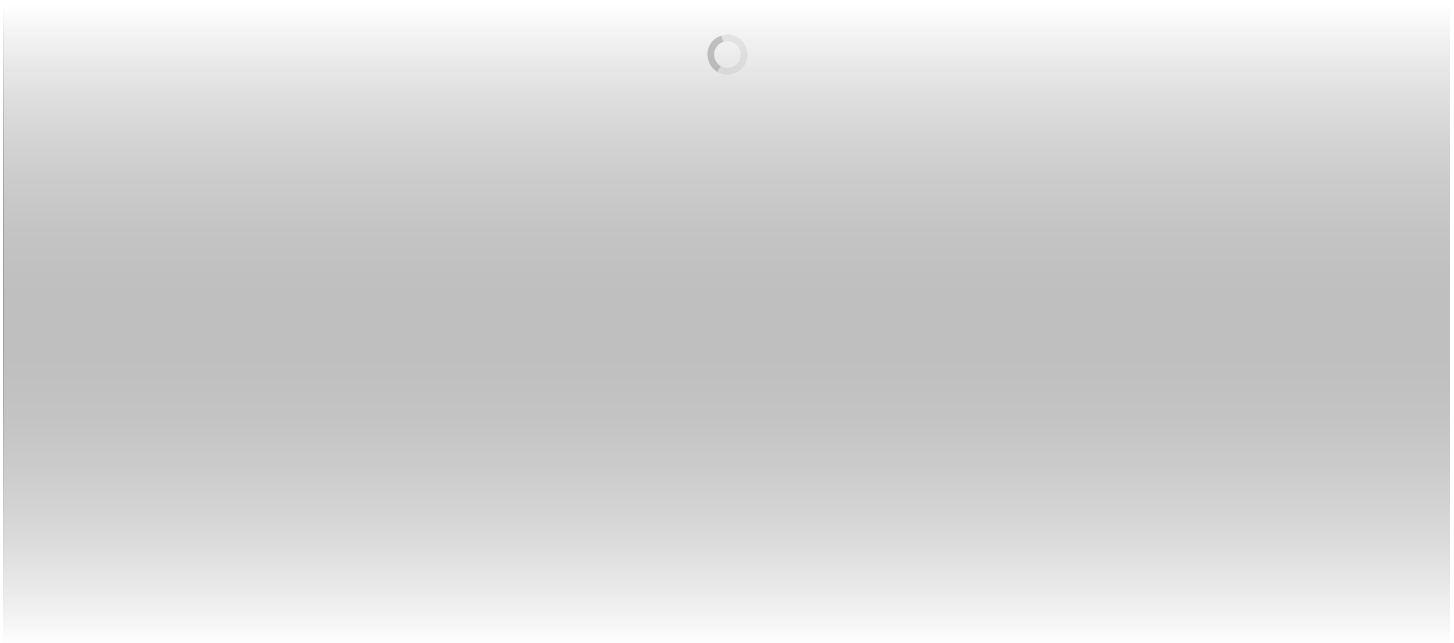
suppositories every 8 hours for the first 24 hours after surgery. The time to initiate breastfeeding was significantly shorter among mothers who received diclofenac than a placebo, 1.5 vs 4.1 hours with breastfeeding support and 3.5 vs 6.2 hours without support. Diclofenac was slightly more effective than tramadol among mothers who received no support (3.5 vs 3.7 hours).

▸ Drugs and Lactation Database (LactMed)

11.1.2 Acute Effects

▸ ChemIDplus

12 Associated Disorders and Diseases



▸ Open Targets

13 Literature

13.1 Consolidated References

PubChem

13.2 NLM Curated PubMed Citations

PubChem

13.3 Springer Nature References

Springer Nature

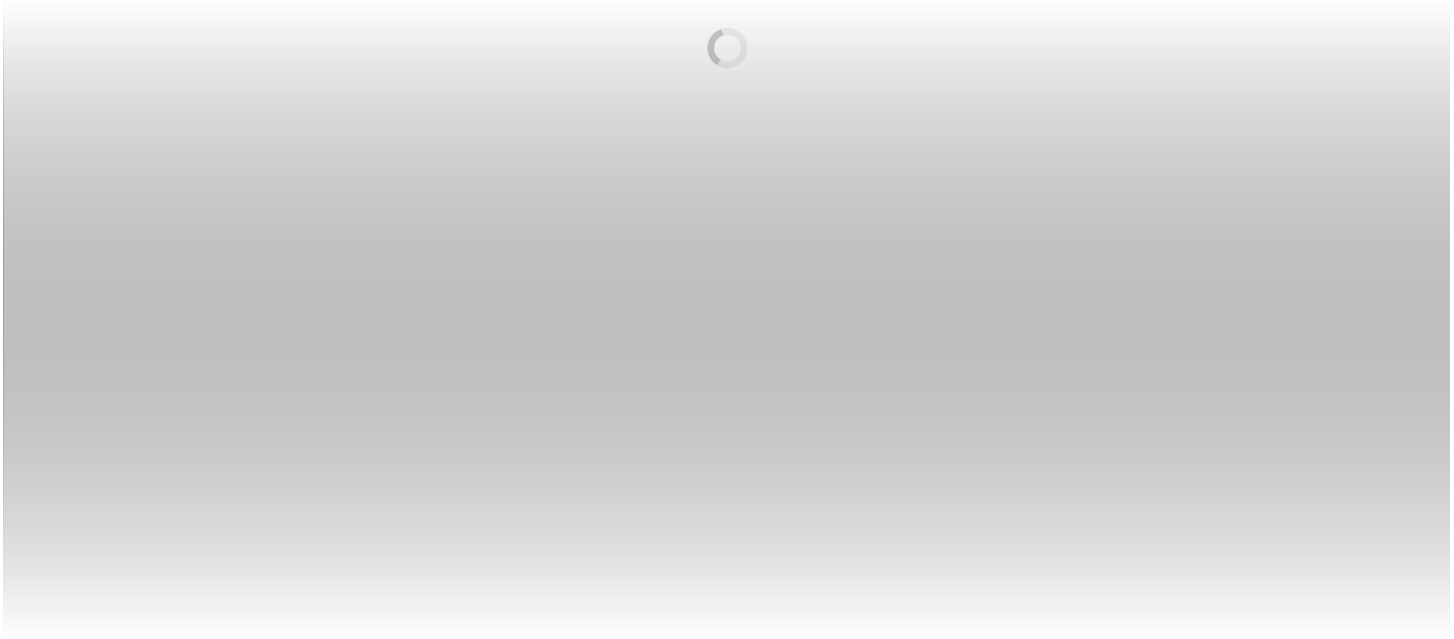
13.4 Thieme References

Thieme Chemistry

13.5 Chemical Co-Occurrences in Literature

PubChem

13.6 Chemical-Gene Co-Occurrences in Literature



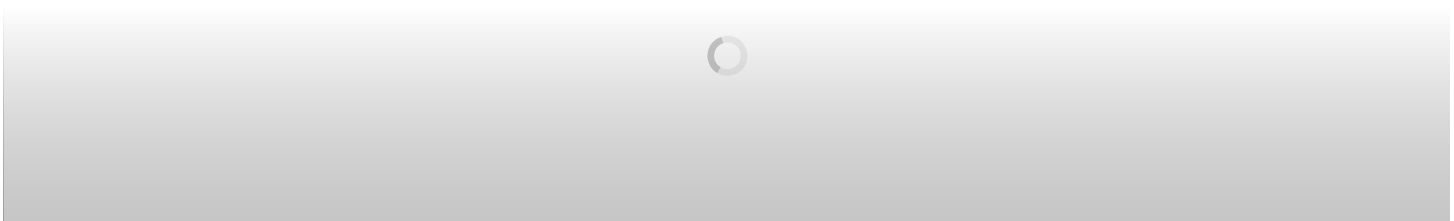
PubChem

13.7 Chemical-Disease Co-Occurrences in Literature

PubChem

14 Patents

14.1 Depositor-Supplied Patent Identifiers



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Link to all deposited patent identifiers

PubChem

14.2 WIPO PATENTSCOPE

Patents are available for this chemical structure:

https://patentscope.wipo.int/search/en/result.jsf?inchikey=KPHWPUGNDIVLNH-UHFFFAOYSA-M

PATENTSCOPE (WIPO)

14.3 FDA Orange Book Patents

FDA Orange Book

14.4 Chemical Co-Occurrences in Patents

PubChem

14.5 Chemical-Disease Co-Occurrences in Patents

PubChem

14.6 Chemical-Gene Co-Occurrences in Patents

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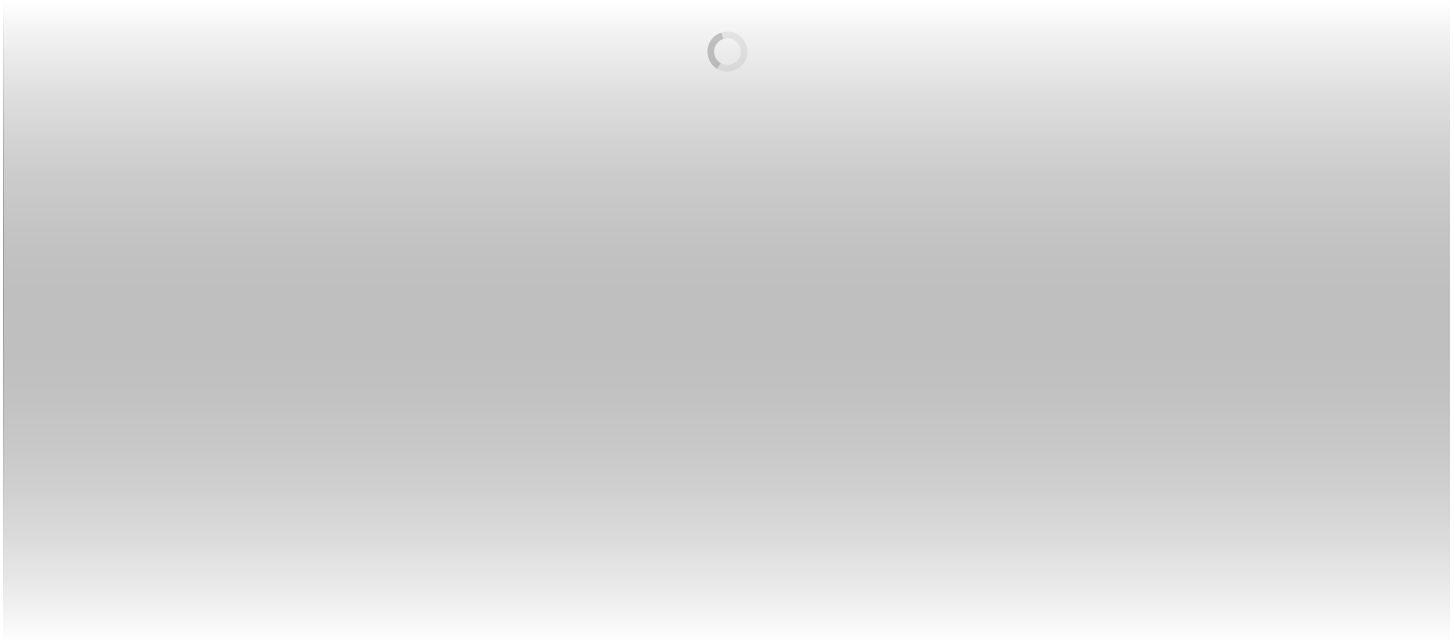
15 Interactions and Pathways

15.1 Chemical-Target Interactions

Drug Gene Interaction database (DGIdb)

16 Biological Test Results

16.1 BioAssay Results



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17 Taxonomy

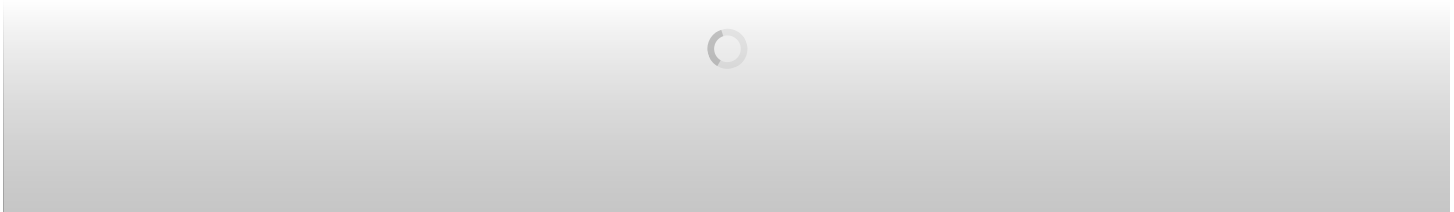
- Natural Product Activity and Species Source (NPASS)

18 Classification

18.1 MeSH Tree

- Medical Subject Headings (MeSH)

18.2 NCI Thesaurus Tree



NCI Thesaurus (NCIt)

18.3 ChEBI Ontology

ChEBI

18.4 KEGG: Drug

KEGG

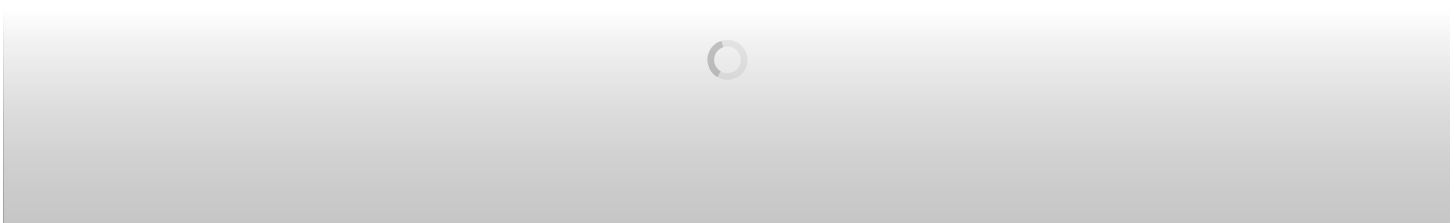
18.5 KEGG: USP

KEGG

18.6 KEGG: ATC

KEGG

18.7 KEGG: Target-based Classification of Drugs



KEGG

18.8 KEGG: JP15

KEGG

18.9 KEGG: Risk Category of Japanese OTC Drugs

KEGG

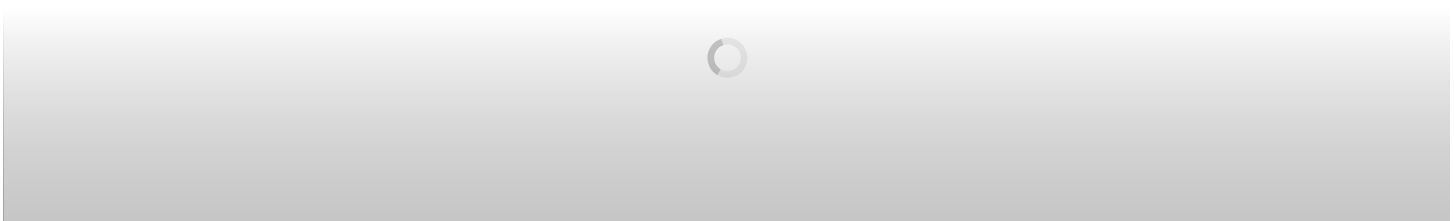
18.10 KEGG: OTC drugs

KEGG

18.11 KEGG: Drug Groups

KEGG

18.12 KEGG: Drug Classes



KEGG

18.13 ChemIDplus

ChemIDplus

18.14 ChEMBL Target Tree

ChEMBL

18.15 UN GHS Classification

GHS Classification (UNECE)

18.16 NORMAN Suspect List Exchange Classification

NORMAN Suspect List Exchange

18.17 CCSBase Classification

CCSbase

18.18 EPA DSSTox Classification

EPA DSSTox

18.19 FDA Drug Type and Pharmacologic Classification

National Drug Code (NDC) Directory

18.20 EPA Substance Registry Services Tree

EPA Substance Registry Services

19 Information Sources

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1. ## Australian Industrial Chemicals Introduction Scheme (AICIS)

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Benzeneacetic acid, 2-[(2,6-dichlorophenyl)amino]-, monosodium salt

https://services.industrialchemicals.gov.au/search-assessments/

2. ## ChemIDplus

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Diclofenac sodium [USAN:USP:JAN]

https://pubchem.ncbi.nlm.nih.gov/substance/?source=chemidplus&sourceid=0015307796

ChemIDplus Chemical Information Classification

https://pubchem.ncbi.nlm.nih.gov/source/ChemIDplus

3. ## EPA DSSTox

> LICENSE
> https://www.epa.gov/privacy/privacy-act-laws-policies-and-resources

Diclofenac sodium

https://comptox.epa.gov/dashboard/DTXSID3037208

CompTox Chemicals Dashboard Chemical Lists

https://comptox.epa.gov/dashboard/chemical-lists/

4. European Chemicals Agency (ECHA)

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Sodium [2-[(2,6-dichlorophenyl)amino]phenyl]acetate

https://chem.echa.europa.eu/100.035.754

Sodium [2-[(2,6-dichlorophenyl)amino]phenyl]acetate (EC: 239-346-4)

https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/63856

5. FDA Global Substance Registration System (GSRS)

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https://gsrs.ncats.nih.gov/ginas/app/beta/substances/QTG126297Q

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Diclofenac sodium

https://www.epa.govt.nz/industry-areas/hazardous-substances/guidance-for-importers-and-manufacturers/hazardous-substances-databases/

7. CCSbase

CCSbase Classification

https://ccsbase.net/

8. ChEBI

Diclofenac sodium

https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI:4509

ChEBI Ontology

http://www.ebi.ac.uk/chebi/userManualForward.do#ChEBI%20Ontology

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https://ncithesaurus.nci.nih.gov/ncitbrowser/ConceptReport.jsp?dictionary=NCI_Thesaurus&ns=ncit&code=C47984

NCI Thesaurus

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https://www.ebi.ac.uk/chembl/compound_report_card/CHEMBL1034/

ChEMBL Protein Target Tree

https://www.ebi.ac.uk/chembl/g/#browse/targets

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14. Drug Gene Interaction database (DGIdb)

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https://www.dgidb.org/drugs/rxcui:203214

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Diclofenac

https://www.ncbi.nlm.nih.gov/books/n/lactmed/LM89/

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https://www.accessdata.fda.gov/scripts/cder/daf/

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Diclofenac (sodium) (P/0203/2017)

https://www.ema.europa.eu/en/medicines/human/paediatric-investigation-plans/emea-002132-pip01-17

18. EU Clinical Trials Register

https://www.clinicaltrialsregister.eu/

19. FDA Approved Animal Drug Products (Green Book)

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Diclofenac sodium

https://www.fda.gov/animal-veterinary/products/approved-animal-drug-products-green-book

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https://www.fda.gov/drugs/drug-approvals-and-databases/approved-drug-products-therapeutic-equivalence-evaluations-orange-book

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https://www.fda.gov/about-fda/about-website/website-policies#linking

Solaraze

https://dps.fda.gov/medguide

22. Japan Chemical Substance Dictionary (Nikkaji)

http://jglobal.jst.go.jp/en/redirect?Nikkaji_No=J8.556A

23. KEGG

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https://www.kegg.jp/kegg/legal.html

https://www.kegg.jp/entry/D00904

Therapeutic category of drugs in Japan
http://www.genome.jp/kegg-bin/get_htext?br08301.keg

USP drug classification
http://www.genome.jp/kegg-bin/get_htext?br08302.keg

Anatomical Therapeutic Chemical (ATC) classification
http://www.genome.jp/kegg-bin/get_htext?br08303.keg

Target-based classification of drugs
http://www.genome.jp/kegg-bin/get_htext?br08310.keg

Drugs listed in the Japanese Pharmacopoeia
http://www.genome.jp/kegg-bin/get_htext?br08311.keg

Risk category of Japanese OTC drugs
http://www.genome.jp/kegg-bin/get_htext?br08312.keg

Classification of Japanese OTC drugs
http://www.genome.jp/kegg-bin/get_htext?br08313.keg

Drug Groups
http://www.genome.jp/kegg-bin/get_htext?br08330.keg

Drug Classes
http://www.genome.jp/kegg-bin/get_htext?br08332.keg

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25. Natural Product Activity and Species Source (NPASS)

NPC488169
https://bidd.group/NPASS/compound.php?compoundID=NPC488169

26. NIPH Clinical Trials Search of Japan

https://rctportal.niph.go.jp/en/

27. NLM RxNorm Terminology

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https://www.nlm.nih.gov/research/umls/rxnorm/docs/termsofservice.html

diclofenac sodium
https://rxnav.nlm.nih.gov/id/rxnorm/203214

28. SpectraBase

Diclofenac sodium
https://spectrabase.com/spectrum/IRvypsRL3jl

Diclofenac sodium

https://spectrabase.com/spectrum/ctWXFqWJz4

sodium 2-[2-(2,6-dichloroanilino)phenyl]acetate

https://spectrabase.com/spectrum/Gpb4gKFInqN

29. Springer Nature

https://pubchem.ncbi.nlm.nih.gov/substance/?source=15745&sourceid=20052524-933441142

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Diclofenac

https://www.ncbi.nlm.nih.gov/mesh/68004008

MeSH Tree

http://www.nlm.nih.gov/mesh/meshhome.html

Anti-Inflammatory Agents, Non-Steroidal

https://www.ncbi.nlm.nih.gov/mesh/68000894

Cyclooxygenase Inhibitors

https://www.ncbi.nlm.nih.gov/mesh/68016861

33. PubChem

https://pubchem.ncbi.nlm.nih.gov

34. GHS Classification (UNECE)

GHS Classification Tree

http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html

35. NORMAN Suspect List Exchange

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NORMAN Suspect List Exchange Classification

https://www.norman-network.com/nds/SLE/

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EPA SRS List Classification

https://sor.epa.gov/sor_internet/registry/substreg/LandingPage.do

37. PATENTSCOPE (WIPO)

SID 403432104

https://pubchem.ncbi.nlm.nih.gov/substance/403432104