

MEBHYDROLIN NAPADISYLATE

SYNONYMS

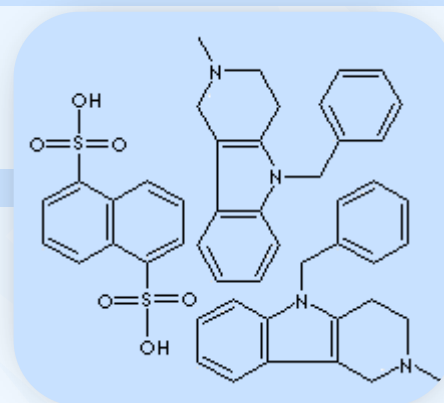
Diazolin; Diazoline; Mebhydroline 1,5-naphthalenedisulfonate salt; Diazolinum; Omeril; 5-Benzyl-1,3,4,5-tetrahydro-2-methyl-2H-pyrido(4,3-b)indole 1,5-naphthalenedisulfonate; 9-Benzyl-N-methyl-1,2,3,4-tetrahydro-alpha-carboline; Incidal; Mebhydroline napadisylate;

PRODUCT IDENTIFICATION

| | |
|------------|--|
| CAS RN | 6153-33-9; 524-81-2 (Parent) |
| EINECS RN | 228-170-3 |
| FORMULA | (C ₁₉ H ₂₀ N ₂) ₂ ·C ₁₀ H ₈ O ₆ S ₂ |
| MOL WEIGHT | 841.05 |

PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------|--|
| PHYSICAL STATE | white to almost white crystalline powder |
| MELTING POINT | 280 C (Decomposes) |
| BOILING POINT | |
| DENSITY | |
| SOLUBILITY IN WATER | |
| pH | |
| VAPOR DENSITY | |
| REFRACTIVE INDEX | |
| FLASH POINT | |



GENERAL DESCRIPTION

Histamine H1-receptor antagonists are used to relieve the symptoms of an immediate allergic reaction. They have additional anti-inflammatory effects that could result from an inhibition of the transcription factors activator protein-1 (AP-1) and nuclear factor-kappa B (NF-kappaB). The implication of the H1-receptor in these effects is controversial. Diphenhydramine is a first-generation H1-receptor antagonist while mizolastine and desloratadine are second-generation compounds. Mizolastine is also an inhibitor of 5-lipoxygenase (5-LO), an enzyme that has been involved in NF-kappaB activation. (source: <http://www.ingentaconnect.com>)

Antihistamines are medicines used to stop the effects of a substance in the blood called histamine. Histamine is a natural chemical produced by the immune (disease-fighting) system of the body. When it is released, it increases blood flow to the affected area. Liquid leaks out of the blood vessels, causing the mucous membranes lining the nose and throat to swell, and stimulating the nearby gland to produce mucus. It causes symptoms such as itching, swelling or reddening. Histamine can also cause sneezing, running nose, itchy or watery eyes, and can cause breathing difficulties in some people. The main action of histamine is related to allergies. It is released when the body comes in contact with an allergen. An allergen is a substance that is not normally harmful, such as pollen, but which causes an overreaction by the immune system in some people. Histamine also has other functions around the body, such as widening and tightening blood vessels, and squeezing muscles in your breathing and digestive systems. Antihistamines prevent histamine carrying out these actions. They are most often used to treat allergic reactions, although certain types can be used in the treatment of other conditions such as migraines, travel sickness and stomach ulcers. (source: <http://www.nhs.uk/>)

ANTI-HISTAMINE

| | CAS RN. |
|----------------------------|---------|
| Amitriptyline | 50-48-6 |
| Promethazine hydrochloride | 58-33-3 |
| Thiazinamium metilsulfate | 58-34-4 |
| Diphenhydramine | 58-73-1 |



MEBHYDROLIN NAPADISYLATE

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| Chloropyramine | 59-32-5 |
| Pyrilamine maleate | 59-33-6 |
| Promethazine | 60-87-7 |
| Hydroxyzine | 68-88-2 |
| Chlorphenoxamine | 77-38-3 |
| Phenindamine | 82-88-2 |
| Cyclizine | 82-92-8 |
| Chlorcyclizine | 82-93-9 |
| Buclizine | 82-95-1 |
| Orphenadrine | 83-98-7 |
| Trimeprazine | 84-96-8 |
| Thenalidine | 86-12-4 |
| Pheniramine | 86-21-5 |
| Brompheniramine | 86-22-6 |
| Antazoline | 91-75-8 |
| Thenyldiamine | 91-79-2 |
| Methapyrilene | 91-80-5 |
| Tripelennamine | 91-81-6 |
| Pyrrobutamine | 91-82-7 |
| Mepyramine | 91-84-9 |
| Thonzylamine | 91-85-0 |
| Phenyltoloxamine | 92-12-6 |
| Chlorpheniramine maleate | 113-92-8 |
| Bromazine | 118-23-0 |
| Cyproheptadine | 129-03-3 |
| Protopine | 130-86-9 |
| Dexbrompheniramine | 132-21-8 |
| Chlorpheniramine | 132-22-9 |
| Diphenylpyraline | 147-20-6 |
| Diphenhydramine hydrochloride | 147-24-0 |
| Chloropyrilene | 148-65-2 |
| Antazoline phosphate | 154-68-7 |
| Tripelennamine hydrochloride | 154-69-8 |
| Clocinazine | 298-55-5 |
| Cinnarizine | 298-57-7 |
| Isopromethazine | 303-14-0 |
| Pimethixene | 314-03-4 |
| Clemizole | 442-52-4 |
| Doxylamine | 469-21-6 |
| Isothipendyl | 482-15-5 |
| Tripolidine | 486-12-4 |
| Carbinoxamine | 486-16-8 |
| Histapyrrodine | 493-80-1 |
| Dacemazine | 518-61-6 |
| Etymemazine | 523-54-6 |
| Dimenhydrinate | 523-87-5 |
| Mebhydrolin | 524-81-2 |
| Methafurylene | 531-06-6 |
| Conessine | 546-06-5 |
| Doxylamine succinate | 562-10-7 |
| Meclizine | 569-65-3 |
| Deptropine | 604-51-3 |
| Pyrabrom | 606-05-3 |



MEBHYDROLIN NAPADISYLATE

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| Naphazoline | 835-31-4 |
| Brompheniramine maleate | 980-71-2 |
| Zolamine hydrochloride | 1155-03-9 |
| Clobenzepam | 1159-93-9 |
| Clemizole hydrochloride | 1163-36-6 |
| Bamipine monohydrochloride | 1229-69-2 |
| Doxepin | 1668-19-5 |
| Bromodiphenhydramine hydrochloride | 1808-12-4 |
| Methdilazine | 1982-37-2 |
| Hydroxyzine Dihydrochloride | 2192-20-3 |
| Thiazinamium | 2338-21-8 |
| Dexbrompheniramine maleate | 2391-03-9 |
| Dexchlorpheniramine maleate | 2438-32-6 |
| Isospaglumic acid | 3106-85-2 |
| Carbinoxamine maleate | 3505-38-2 |
| Embramine | 3565-72-8 |
| Moxastine | 3572-74-5 |
| Dimebolin | 3613-73-8 |
| Dimethindene maleate | 3614-69-5 |
| Oxomemazine | 3689-50-7 |
| Azatadine | 3964-81-6 |
| Azatadine maleate | 3978-86-7 |
| Orphenadrine Citrate | 4682-36-4 |
| Bamipine | 4945-47-5 |
| Pyroxamine maleate | 5560-75-8 |
| Rotoxamine | 5560-77-0 |
| Clobenztropine | 5627-46-3 |
| Tolpropamine | 5632-44-0 |
| Dimetindene | 5636-83-9 |
| Cycliramine maleate | 5781-37-3 |
| Tripelennamine citrate | 6138-56-3 |
| Triprolidine hydrochloride | 6138-79-0 |
| Mebhydrolin napadisylate | 6153-33-9 |
| N-Hydroxyethylpromethazine | 7647-63-4 |
| Pseudophedrine hydrochloride mixture with Triprolidine hydrochloride | 8054-27-1 |
| Hydroxyzine pamoate | 10246-75-0 |
| Iproheptine | 13946-02-6 |
| Tritoqualine | 14504-73-5 |
| Clemastine fumarate | 14976-57-9 |
| Clemastine | 15686-51-8 |
| Talastine | 16188-61-7 |
| Talastine hydrochloride | 16188-76-4 |
| 3-Benzhydryloxy-8-isopropyl-nortropan methanesulfonate | 17616-19-2 |
| Promethazine Theoclate | 17693-51-5 |
| p-Methyldiphenhydramine | 19804-27-4 |
| Dorastine hydrochloride | 21228-28-4 |
| Mianserin hydrochloride | 21535-47-7 |
| Closiramine aceturate | 23256-09-9 |
| Mianserin | 24219-97-4 |
| Dexchlorpheniramine | 25523-97-1 |
| Promethazine methiodide | 26212-80-6 |
| Niaprazine | 27367-90-4 |
| Mequitazine | 29216-28-2 |



MEBHYDROLIN NAPADISYLATE

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| Ketotifen | 34580-13-7 |
| Metiamide | 34839-70-8 |
| Burimamide | 34970-69-9 |
| Picumast | 39577-19-0 |
| Cyproheptadine hydrochloride | 41354-29-4 |
| Terfenadine | 50679-08-8 |
| Cimetidine | 51481-61-9 |
| Flunarizine | 52468-60-7 |
| Tranilast | 53902-12-8 |
| Azelastine | 58581-89-8 |
| Octastine | 59767-12-3 |
| Proxicromil | 60400-92-2 |
| Oxatomide | 60607-34-3 |
| Mirtazapine | 61337-67-5 |
| Bamipine lactate | 61670-09-5 |
| Bamipine dihydrochloride | 61732-85-2 |
| Lodoxamide tromethamine | 63610-09-3 |
| Setastine | 64294-95-7 |
| Ranitidine | 66357-35-5 |
| Astemizole | 68844-77-9 |
| Tiotidine | 69014-14-8 |
| Pemirolast | 69372-19-6 |
| Etintidine | 69539-53-3 |
| Traxanox sodium | 70502-82-8 |
| Lupitidine hydrochloride | 72716-75-7 |
| Oxmetidine | 72830-39-8 |
| Repirinast | 73080-51-0 |
| Tecastemizole | 75970-99-9 |
| Famotidine | 76824-35-6 |
| Lavoltidine | 76956-02-0 |
| Nizatidine | 76963-41-2 |
| Roxafidine | 78273-80-0 |
| Roxafidine acetate | 78628-28-1 |
| Azelastine Hydrochloride | 79307-93-0 |
| Levocabastine | 79516-68-0 |
| Levocabastine hydrochloride | 79547-78-7 |
| Tazifylline hydrochloride | 79712-53-1 |
| Loratadine | 79794-75-5 |
| Epinastine | 80012-43-7 |
| Epinastine Hydrochloride | 80012-44-8 |
| Batebulast | 81907-78-0 |
| Ozagrel | 82571-53-7 |
| Mifentidine | 83184-43-4 |
| Fexofenadine | 83799-24-0 |
| Cetirizine | 83881-51-0 |
| Cetirizine hydrochloride | 83881-52-1 |
| Niperotidine | 84845-75-0 |
| Temelastine | 86181-42-2 |
| Emedastine | 87233-61-2 |
| Emedastine Difumarate | 87233-62-3 |
| Acrivastine | 87848-99-5 |
| Diphenhydramine citrate | 88637-37-0 |
| Carebastine | 90729-42-3 |



MEBHYDROLIN NAPADISYLATE

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| Ebastine | 90729-43-4 |
| Tesmilifene hydrochloride | 92981-78-7 |
| Roxatidine Acetate Hydrochloride | 93793-83-0 |
| Suplatast tosilate | 94055-76-2 |
| Tesmilifene | 98774-23-3 |
| Barmastine | 99156-66-8 |
| Rocastine hydrochloride | 99617-35-3 |
| Desloratadine | 100643-71-8 |
| Ebrotidine | 100981-43-9 |
| Zolantidine | 104076-38-2 |
| Thioperamide | 106243-16-7 |
| Mizolastine | 108612-45-9 |
| Noberastine | 110588-56-2 |
| Olopatadine | 113806-05-6 |
| Lafutidine | 118288-08-7 |
| Bepotastine | 125602-71-3 |
| Epinastine Hydrobromide | 127786-29-2 |
| Ranitidine bismuth citrate | 128345-62-0 |
| Levocetirizine | 130018-77-8 |
| Levocetirizine dihydrochloride | 130018-87-0 |
| Rynatan | 130463-94-4 |
| Iodophenpropit | 143407-29-8 |
| Clobenpropit | 145231-45-4 |
| Fexofenadine hydrochloride | 153439-40-8 |
| Rupatadine | 158876-82-5 |
| Efletirizine dihydrochloride | 225367-66-8 |
| 5-Chloro-2-[(4-methylpiperazin-1-yl)carbonyl]-1H-indole | 459168-41-3 |

STABILITY AND REACTIVITY

| | |
|------------------------|---|
| STABILITY | Stable under normal conditions. |
| INCOMPATIBLE MATERIALS | |
| DECOMPOSITION PRODUCTS | Carbon monoxide, carbon dioxide, nitrogen oxides. |
| POLYMERIZATION | Will not occur |
| NFPA RATINGS | Health: 1, Flammability: 0, Reactivity: 0 |

SAFETY

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|--------------|--|
| HAZARD NOTES | Avoid contact and inhalation. May cause irritation. May be harmful by inhalation, ingestion, or skin absorption. |
| EYE | May cause eye irritation. |
| SKIN | May cause skin irritation. |
| INGESTION | May be harmful. |
| INHALATION | May be harmful. |
| CHRONIC | |

SALES SPECIFICATION

| | |
|----------------|--|
| APPEARANCE | white to almost white crystalline powder |
| IDENTIFICATION | Pass tests (IR, TLC) |
| ASSAY | 98.5% ~ 101.5% |
| LOSS ON DRYING | 0.5% max |



MEBHYDROLIN NAPADISYLATE

RESIDUE ON IGNITION 0.1% max
HEAVY METALS 20ppm max

TRANSPORT & REGULATORY INFORMATION

UN NO.
HAZARD CLASS
PACKING GROUP
HAZARD SYMBOL
RISK PHRASES
SAFETY PHRASES

PACKING

PRICE

