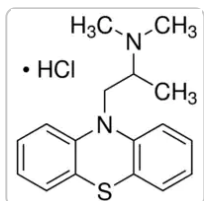


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P4651 ▶ **Sigma-Aldrich.**

Promethazine hydrochloride

★★★★★ (0)

Synonyme(s):

10-[2-(Dimethylamino)propyl]phenothiazine hydrochloride

Empirical Formula (Hill Notation):

C₁₇H₂₀N₂S · HCl

Numéro CAS:

58-33-3

Poids moléculaire:

320.88

Beilstein:

4166397

Numéro EC:

200-375-2

Numéro MDL:

MFCD00012652

ID de substance PubChem:

24277802

NACRES:

NA.77

Référence	Conditionnement	Disponibilité	Prix	Quantité
P4651-25G	25 G	Only 2 left in stock (more on the way)	Détails... 54,00 €	− +
P4651-100G	100 G	Only 2 left in stock (more on the way)	Détails... 181,00 €	− +

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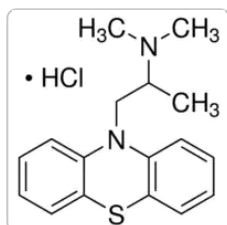
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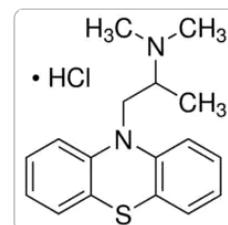
Supelco

PHR1467

Promethazine Hydrochloride

Pharmaceutical Secondary Standard; Certified Reference Material

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Supelco

46682

Promethazine hydrochloride

VETRANAL[®], analytical standard

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PROPRIÉTÉS

Forme	powder
Niveau de qualité	200
Auteur	Wyeth
SMILES string	<chem>Cl[H].CC(CN1c2cccc2Sc3cccc13)N(C)C</chem>
InChI	1S/C17H20N2S.ClH/c1-13(18(2)3)12-19-14-8-4-6-10-16(14)20-17-11-7-5-9-15(17)19;/h4-11,13H,12H2,1-3H3;1H
InChI key	XXPDBLUZJRXNNZ-UHFFFAOYSA-N

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DESCRIPTION

Actions biochimiques/physiologiques

H₁ histamine receptor antagonist; CNS depressant; anticholinergic.

Caractéristiques et avantages

This compound was developed by **Wyeth**. To browse the list of other pharma-developed compounds and Approved Drugs/Drug Candidates, [click here](#).

Autres remarques

Solubility: Freely soluble in water, in hot dehydrated alcohol and in Chloroform. Practically insoluble in ether, in acetone and in ethyl acetate.

Forme physique

Appearance: White or faint yellow, odorless, Crystalline powder, slowly oxidizes and acquires a blue color, on prolonged exposure to air.

PRODUITS APPARENTÉS

Application

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INFORMATIONS SUR LA SÉCURITÉ

Pictograms**GHS05,GHS07,GHS09****Mention d'avertissement**

Danger

Mentions de danger**H302 - H317 - H318 - H411****Conseils de prudence****P261 - P273 - P280 - P301 +
P312 - P302 + P352 - P305 +
P351 + P338****Classification des risques**Acute Tox. 4 Oral - Aquatic
Chronic 2 - Eye Dam. 1 - Skin
Sens. 1**Code de la classe de
stockage**

11 - Combustible Solids

WGK

WGK 1

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

**Équipement de protection
individuelle**dust mask type N95 (US),
Eyeshields, Faceshields,
Gloves

DOCUMENTATION

Certificat d'analyse

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e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

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Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

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[Spectra - ATR-IR](#)

[Spectra for FT-IR Raman](#)

[Structure Search](#)

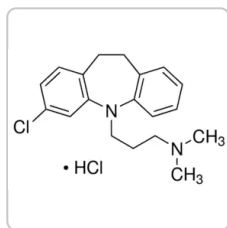
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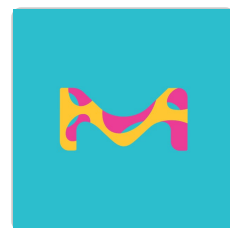
Sigma-Aldrich

C7291

Clomipramine hydrochloride

≥98% (HPLC), powder

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USP

1570029

Promethazine Related Compound B

United States Pharmacopeia (USP) Reference Standard

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ARTICLES REVUS PAR DES PAIRS

Effects of promethazine on porcine gastroduodenal function: a sonographic study.

A B Wright et al.

Ultrasound in medicine & biology, 25(2), 241-247 (1999-05-13)

This sonographic study was aimed at examining the effect of sedation with promethazine (1.5 mg x kg⁻¹), on gastroduodenal function in neonatal piglets. On 3 consecutive days, observations of gastroduodenal motility during the first 3 postprandial h were made in

Histamine-induced prolonged depolarization in rat supraoptic neurons: G-protein-mediated, Ca(2+)-independent suppression of K⁺ leakage conductance.

Z Li et al.

Neuroscience, 70(1), 145-158 (1996-01-01)

Ionic mechanisms responsible for histamine-induced prolonged depolarization in supraoptic nucleus neurons were investigated using whole-cell patch recordings in horizontally prepared brain slices from adult male rats. Bath application of histamine (1-10 microM) in control medium induced membrane depolarization in nine

Enhanced activation of human NK cells by drug-exposed hepatocytes.

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Neural signatures of sleep in zebrafish.

Louis C Leung et al.

Nature, 571(7764), 198-204 (2019-07-12)

Slow-wave sleep and rapid eye movement (or paradoxical) sleep have been found in mammals, birds and lizards, but it is unclear whether these neuronal signatures are found in non-amniotic vertebrates. Here we develop non-invasive fluorescence-based polysomnography for zebrafish, and show-using unbiased, brain-wide

Unravelling the subcortical and retinal circuitry of the primate inferior pulvinar.

William C Kwan et al.

The Journal of comparative neurology, 527(3), 558-576 (2018-01-03)

The primate visual brain possesses a myriad of pathways, whereby visual information originating at the retina is transmitted to multiple subcortical areas in parallel, before being relayed onto the visual cortex. The dominant retinogeniculostriate pathway has been an area of

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Chromatograms

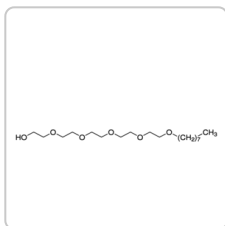
HPLC Analysis of Promethazine Enantiomers on Astec® CHIROBIOTIC® V

application for HPLC

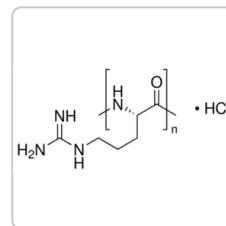
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Pentaethylene glycol monoethyl ether

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mol wt 5,000-15,000

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★★★★★

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