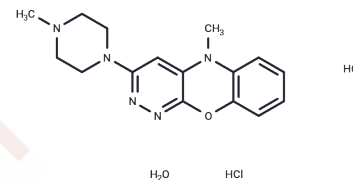


Azaphen dihydrochloride monohydrate

Chemical Properties

CAS No. :	63302-99-8
Formula:	C ₁₆ H ₂₃ Cl ₂ N ₅ O ₂
Molecular Weight:	388.29
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Azaphen dihydrochloride monohydrate (Pipofezin dihydrochloride monohydrate) is a serotonin reuptake inhibitor with antidepressant activity and sedative effects, which can be used to study neurological diseases.
Targets(IC50)	5-HT Receptor, Serotonin Transporter
In vitro	The suppression of 5-HT uptake by Azaphen dihydrochloride monohydrate reduced the tumorigenicity and inhibited the distant metastasis of NSCLC cells in vivo, underscoring the importance of SERT in tumorigenesis. [1]

Solubility Information

Solubility	DMSO: 1 mg/mL (2.58 mM), Sonication is recommended. H ₂ O: 80 mg/mL (206.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5754 mL	12.877 mL	25.7539 mL
5 mM	0.5151 mL	2.5754 mL	5.1508 mL
10 mM	0.2575 mL	1.2877 mL	2.5754 mL
50 mM	0.0515 mL	0.2575 mL	0.5151 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chen L, et al. Serotonin signalling in cancer: Emerging mechanisms and therapeutic opportunities. Clin Transl Med. 2024 Jul;14(7):e1750.

Tu Y, et al. 5-Hydroxytryptamine activates a 5-HT/c-Myc/SLC6A4 signaling loop in non-small cell lung cancer. Biochim Biophys Acta Gen Subj. 2022 Apr;1866(4):130093.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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