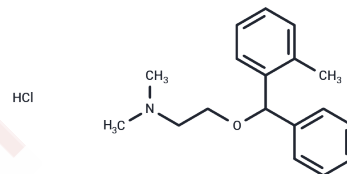


Orphenadrine hydrochloride

Chemical Properties

CAS No. :	341-69-5
Formula:	C ₁₈ H ₂₃ NO·HCl
Molecular Weight:	305.85
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Orphenadrine hydrochloride (Mephenamin) is a muscarinic antagonist used to treat drug-induced parkinsonism and to relieve pain from muscle spasm.
Targets(IC50)	NMDAR, Norepinephrine, Histamine Receptor, iGluR, Sodium Channel

Solubility Information

Solubility	DMSO: 45 mg/mL (147.13 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	3.2696 mL	16.3479 mL	32.6958 mL
5 mM	0.6539 mL	3.2696 mL	6.5392 mL
10 mM	0.327 mL	1.6348 mL	3.2696 mL
50 mM	0.0654 mL	0.327 mL	0.6539 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

Kornhuber J, et al. J Neural Transm Gen Sect. 1995;102(3):237-46.

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