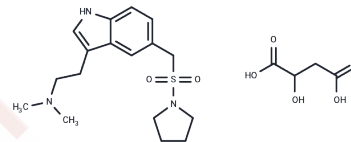


Almotriptan Malate

Chemical Properties

CAS No. :	181183-52-8
Formula:	C ₁₇ H ₂₅ N ₃ O ₂ S·C ₄ H ₆ O ₅
Molecular Weight:	469.55
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	Almotriptan Malate (PNU180638), a selective 5-HT _{1B/1D} receptor agonist, is used in the therapy of Migraine attacks in adults.
Targets(IC ₅₀)	5-HT Receptor

Solubility Information

Solubility	Ethanol: 49 mg/mL (104.36 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 87 mg/mL (185.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (7.03 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1297 mL	10.6485 mL	21.297 mL
5 mM	0.4259 mL	2.1297 mL	4.2594 mL
10 mM	0.213 mL	1.0648 mL	2.1297 mL
50 mM	0.0426 mL	0.213 mL	0.4259 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

Dodick, D. (2003). A review of the clinical efficacy and tolerability of almotriptan in acute migraine. *Expert Opinion On Pharmacotherapy*, 4(7), 1157-1163. doi: 10.1517/14656566.4.7.1157

Fleishaker, J. (2000). Pharmacokinetic interaction between verapamil and almotriptan in healthy volunteers. *Clinical Pharmacology & Therapeutics*, 67(5), 498-503. doi: 10.1067/mcp.2000.106292

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