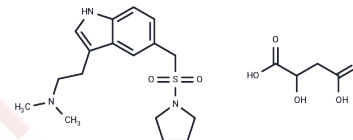


Almotriptan Malate

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
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



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)
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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.

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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