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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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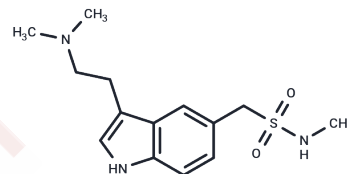
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Sumatriptan

Chemical Properties

CAS No. :	103628-46-2
Formula:	C ₁₄ H ₂₁ N ₃ O ₂ S
Molecular Weight:	295.4
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sumatriptan (GR 43175 free base) is an orally active and potent 5-hydroxytryptamine 1 (5-HT ₁) receptor agonist that crosses the blood-brain barrier and has anti-inflammatory activity with high affinity for 5-HT _{1D} , 5-HT _{1B} , and 5-HT _{1F} receptors for use in acute migraines and acute myocardial infarction.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	Ethanol: 40 mg/mL (93.80 mM) DMSO: 80 mg/mL (270.82 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	3.3852 mL	16.9262 mL	33.8524 mL
5 mM	0.677 mL	3.3852 mL	6.7705 mL
10 mM	0.3385 mL	1.6926 mL	3.3852 mL
50 mM	0.0677 mL	0.3385 mL	0.677 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

S J Peroutka, et al. Sumatriptan (GR 43175) interacts selectively with 5-HT_{1B} and 5-HT_{1D} binding sites. Eur J Pharmacol. 1989 Apr 12;163(1):133-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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