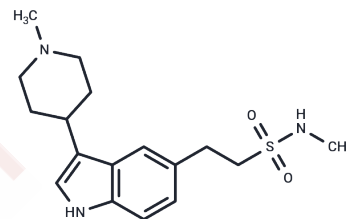


## Naratriptan

## Chemical Properties

CAS No. :	121679-13-8
Formula:	C <sub>17</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	335.47
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	Naratriptan is a selective agonist of 5-HT <sub>1</sub> receptor and is used for the treatment of migraine headaches.
Targets(IC <sub>50</sub> )	5-HT Receptor

## Solubility Information

Solubility	DMSO: 12.3 mg/mL (36.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 1.23 mg/mL (3.67 mM), Solution. <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	2.9809 mL	14.9045 mL	29.8089 mL
5 mM	0.5962 mL	2.9809 mL	5.9618 mL
10 mM	0.2981 mL	1.4904 mL	2.9809 mL
50 mM	0.0596 mL	0.2981 mL	0.5962 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

Ito Y , Mitsufuji T , Asano Y , et al. Naratriptan in the Prophylactic Treatment of Cluster Headache[J]. Intern Med, 2017, 56(19).

Xu Z, Guo L, Yu J, et al. Ligand recognition and G protein coupling of trace amine receptor TAAR1. Nature. 2023: 1-3.

Connor HE, et al. Naratriptan: biological profile in animal models relevant to migraine. Cephalalgia. 1997 May; 17(3):145-52.

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