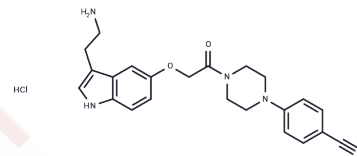


## Donitriptan hydrochloride

## Chemical Properties

CAS No. :	170911-68-9
Formula:	C <sub>23</sub> H <sub>26</sub> ClN <sub>5</sub> O <sub>2</sub>
Molecular Weight:	439.94
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	Donitriptan hydrochloride (Donitriptan monohydrochloride) is a potent, high efficacy agonist of 5-HT <sub>1B</sub> /1D receptors with pK <sub>i</sub> s of 9.4 and 9.3, respectively
Targets(IC <sub>50</sub> )	5-HT Receptor

## Solubility Information

Solubility	DMSO: 4.4 mg/mL (10 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	2.273 mL	11.3652 mL	22.7304 mL
5 mM	0.4546 mL	2.273 mL	4.5461 mL
10 mM	0.2273 mL	1.1365 mL	2.273 mL
50 mM	0.0455 mL	0.2273 mL	0.4546 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

Muñoz-Islas E, et al. Donitriptan, but not sumatriptan, inhibits capsaicin-induced canine external carotid vasodilatation via 5-HT<sub>1B</sub> rather than 5-HT<sub>1D</sub> receptors. Br J Pharmacol. 2006 Sep;149(1):82-91.

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