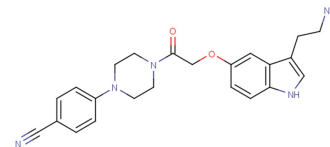


## Donitriptan

## Chemical Properties

CAS No.:	170912-52-4
Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	403.48
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Donitriptan is an effective agonist for the 5-HT <sub>1B/1D</sub> receptor, with pK <sub>i</sub> s of 9.4 and 9.3, respectively.
Targets(IC <sub>50</sub> )	5-HT <sub>1B</sub> Receptor: 9.4 (pki) 5-HT <sub>1D</sub> Receptor: 9.3 (pki) pki: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.478 mL	12.392 mL	24.784 mL
5 mM	0.496 mL	2.478 mL	4.957 mL
10 mM	0.248 mL	1.239 mL	2.478 mL
50 mM	0.05 mL	0.248 mL	0.496 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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