Nomifensine

Cat. No.: HY-B1110

CAS No.: 24526-64-5

Molecular Formula: $C_{16}H_{18}N_2$

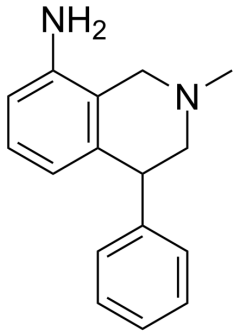
Molecular Weight: 238.33

Target: Dopamine Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (419.59 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	4.1959 mL	20.9793 mL	41.9586 mL
	5 mM	0.8392 mL	4.1959 mL	8.3917 mL
	10 mM	0.4196 mL	2.0979 mL	4.1959 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (10.49 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (10.49 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Nomifensine is a norepinephrine-dopamine reuptake inhibitor, increases the amount of synaptic norepinephrine and dopamine available to receptors by blocking the dopamine and norepinephrine reuptake transporters.

CUSTOMER VALIDATION

- Glia. 2017 Aug;65(8):1251-1263.

- Commun Biol. 2021 Sep 13;4(1):1065.
- Biotechnol Bioeng. 2021 Sep 3.
- bioRxiv. 2023 Aug 3.

See more customer validations on www.MedChemExpress.com

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