

SNAP 398299

Chemical Properties

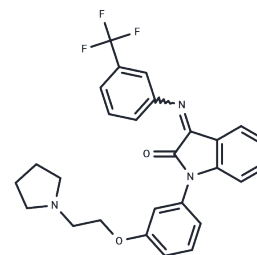
CAS No. : 903878-06-8

Formula: C₂₇H₂₄F₃N₃O₂

Molecular Weight: 479.49

Storage: Store at low temperature, Keep away from moisture
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	SNAP 398299 is a Glycopeptide Receptor Type 3 (Gal3) antagonist with anxiolytic and antidepressant-like effects and is used in the study of mood disorders.
Targets(IC50)	Galectin
In vivo	SNAP 398299 partially reversed the galanin-evoked inhibition of dorsal raphe cell firing and galanin-evoked hyperpolarizing currents. These results indicate that Gal(3)-selective antagonists produce anxiolytic- and antidepressant-like effects, possibly by attenuating the inhibitory influence of galanin on 5-HT transmission at the level of the dorsal raphe nucleus. [4]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0855 mL	10.4277 mL	20.8555 mL
5 mM	0.4171 mL	2.0855 mL	4.1711 mL
10 mM	0.2086 mL	1.0428 mL	2.0855 mL
50 mM	0.0417 mL	0.2086 mL	0.4171 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

Kothandan G, et al. Theoretical characterization of galanin receptor type 3 (Gal3) and its interaction with agonist (GALANIN) and antagonists (SNAP 37889 and SNAP 398299): an in silico analysis. Chem Biol Drug Des. 2013 Jun;81(6):757-74.

Scheller KJ, et al. An improved method to prepare an injectable microemulsion of the galanin-receptor 3 selective antagonist, SNAP 37889, using Kolliphor(®) HS 15. MethodsX. 2014 Sep 26;1:212-6.

Ogren SO, et al. Galanin receptor antagonists : a potential novel pharmacological treatment for mood disorders. CNS Drugs. 2006;20(8):633-54.

Swanson CJ, et al. Anxiolytic- and antidepressant-like profiles of the galanin-3 receptor (Gal3) antagonists SNAP 37889 and SNAP 398299. Proc Natl Acad Sci U S A. 2005 Nov 29;102(48):17489-94.

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