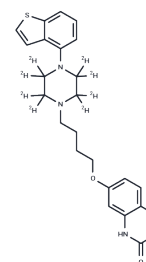


Brexpiprazole-D8

Chemical Properties

CAS No. :	1427049-21-5
Formula:	C ₂₅ H ₂₇ N ₃ O ₂ S
Molecular Weight:	441.62
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	Brexpiprazole-D8 is a deuterium-labeled Brexpiprazole. Brexpiprazole (T2306) is a partial agonist of human 5-HT _{1A} and dopamine receptors (K _i : 0.12 nM and 0.3 nM).
Targets(IC50)	5-HT Receptor, Adrenergic Receptor, Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2644 mL	11.322 mL	22.6439 mL
5 mM	0.4529 mL	2.2644 mL	4.5288 mL
10 mM	0.2264 mL	1.1322 mL	2.2644 mL
50 mM	0.0453 mL	0.2264 mL	0.4529 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

Ishima T, et al. Potentiation of neurite outgrowth by brexpiprazole, a novel serotonin-dopamine activity modulator: a role for serotonin 5-HT_{1A} and 5-HT_{2A} receptors. *Eur Neuropsychopharmacol.* 2015 Apr;25(4):505-11.

Yoshimi N, et al. Improvement of dizocilpine-induced social recognition deficits in mice by brexpiprazole, a novel serotonin-dopamine activity modulator. *Eur Neuropsychopharmacol.* 2015 Mar;25(3):356-64.

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