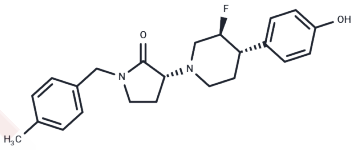
Data Sheet (Cat.No.T23808)

TargetMol

BMS-986169

Chemical Properties



CAS No. : 1801151-08-5

Formula: C23H27FN2O2

Molecular Weight: 382.47

Storage: Store at low temperature
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	BMS-986169 is a high-affinity and selective negative allosteric modulator of the NMDA receptor GluN2B subunit, with an IC50 of 24 nM in oocytes, and exhibits antidepressant-like activity in mice, making it a potential treatment for treatment-resistant depression.
Targets(IC50)	Others,NMDAR,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6146 mL	13.0729 mL	26.1458 mL
5 mM	0.5229 mL	2.6146 mL	5.2292 mL
10 mM	0.2615 mL	1.3073 mL	2.6146 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 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

Marcin LR, Warrier J, Thangathirupathy S, Shi J, Karageorge GN, Pearce BC, Ng A, Park H, Kempson J, Li J, Zhang H, Mathur A, Reddy AB, Nagaraju G, Tonukunuru G, Gupta GVRKM, Kamble M, Mannoori R, Cheruku S, Jogi S, Gulia J, Bastia T, Sanmathi C, Aher J, Kallem R, Srikumar BN, Vijaya KK, Naidu PS, Paschapur M, Kalidindi N, Vikramadithyan R, Ramarao M, Denton R, Molski T, Shields E, Subramanian M, Zhuo X, Nophsker M, Simmermacher J, Sinz M, Albright C, Bristow LJ, Islam I, Bronson JJ, Olson RE, King D, Thompson LA, Macor JE. BMS-986163, a Negative Allosteric Modulator of GluN2B with Potential Utility in Major Depressive Disorder. ACS Med Chem Lett. 2018 Apr 13; 9(5):472-477.

Bristow LJ, Gulia J, Weed MR, Srikumar BN, Li YW, Graef JD, Naidu PS, Sanmathi C, Aher J, Bastia T, Paschapur M, Kalidindi N, Kumar KV, Molski T, Pieschl R, Fernandes A, Brown JM, Sivarao DV, Newberry K, Bookbinder M, Polino J, Keavy D, Newton A, Shields E, Simmermacher J, Kempson J, Li J, Zhang H, Mathur A, Kallem RR, Sinha M, Ramarao M, Vikramadithyan RK, Thangathirupathy S, Warrier J, Islam I, Bronson JJ, Olson RE, Macor JE, Albright CF, King D, Thompson LA, Marcin LR, Sinz M. Preclinical Characterization of (R)-3-((3S,4S)-3-fluoro-4-(4-hydroxyphenyl) piperidin-1-yl)-1-(4-methylbenzyl)pyrrolidin-2-one (BMS-986169), a Novel, Intravenous, Glutamate N-Methyl-d-Aspartate 2B Receptor Negative Allosteric Modulator with Potential in Major Depressive Disorder. J Pharmacol Exp Ther. 2017 Dec;363(3):377-393.