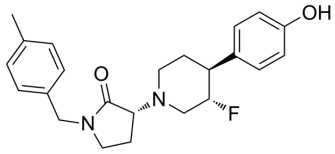
BMS-986169

Cat. No.:	HY-119886
CAS No.:	1801151-08-5
Molecular Formula:	$C_{23}H_{27}FN_2O_2$
Molecular Weight:	382.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BMS-986169 is an inhibitor of the glutamate N-methyl-D-aspartate 2B receptor (GluN2B). BMS-986169 has a high binding affinity for the allosteric regulatory site of the GluN2B subunit, with a K_i value of 4.03-6.3 nM. BMS-986169 can inhibit the function of GluN2B receptors in Xenopus oocytes, with an IC_{50} value of 24.1 nM. BMS-986169 can also inhibit the activity of the hERG channel, with an IC_{50} value of 28.4 μM. BMS-986169 can be used in research on treatment-resistant depression[1].

REFERENCES

[1]. Bristow LJ, et al. 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.

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