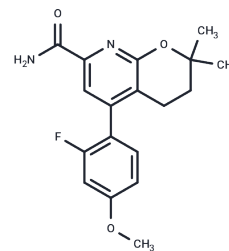


mG2N001

Chemical Properties

CAS No. : 2760515-88-4
 Formula: C₁₈H₁₉FN₂O₃
 Molecular Weight: 330.35
 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	mG2N001, a negative allosteric modulator (NAM) of the metabotropic glutamate receptor mGluR2, has an IC ₅₀ of 93 nM and binds to mGluR2 as an antagonist with a K _i of 63 nM. This compound is microparticle- and plasma-stable, and its radioisotope [¹¹ C] mG2N001 can be utilized in PET imaging. [¹¹ C] mG2N001 exhibits good brain heterogeneity and penetration, selectively accumulating in mGluR2-rich regions to produce high-contrast brain images [1].
Targets(IC ₅₀)	GluR,Src
In vivo	The compound mG2N001 (63.0-87.3 MBq [¹¹ C] mG2N001, iv.) is suitable for PET imaging studies in rats and cynomolgus monkeys, demonstrating specific binding activity to mGluR2 and clearly illustrating the biodistribution of mGluR2 in the animal brain [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0271 mL	15.1355 mL	30.2709 mL
5 mM	0.6054 mL	3.0271 mL	6.0542 mL
10 mM	0.3027 mL	1.5135 mL	3.0271 mL
50 mM	0.0605 mL	0.3027 mL	0.6054 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.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481