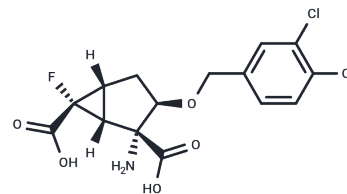


MGS-0039

Chemical Properties

CAS No. : 569686-87-9
Formula: C₁₅H₁₄Cl₂FN₂O₅
Molecular Weight: 378.18
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MGS-0039 is a group II metabotropic glutamate receptor (mGluR2/3) antagonist. Antidepressant-like action of group II mGlu receptor antagonists does not depend on serotonergic system activation. However, the AMPA receptor seems to play a key role in the antidepressant-like action of these compounds. Dopamine release in the NAc shell is regulated by mGlu 2/3 receptors.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6442 mL	13.2212 mL	26.4424 mL
5 mM	0.5288 mL	2.6442 mL	5.2885 mL
10 mM	0.2644 mL	1.3221 mL	2.6442 mL
50 mM	0.0529 mL	0.2644 mL	0.5288 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.

Reference

Pałucha-Poniewiera A, Wierońska JM, Brański P, Stachowicz K, Chaki S, Pilc A. On the mechanism of the antidepressant-like action of group II mGlu receptor antagonist, MGS0039. *Psychopharmacology (Berl)*. 2010 Dec;

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481