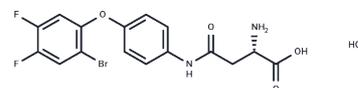


WAY-213613 hydrochloride

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 2450268-84-3 |
| Formula: | C16H14BrClF2N2O4 |
| Molecular Weight: | 451.65 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|---------------|--|
| Description | WAY-213613 hydrochloride is a potent, selective nonsubstrate reuptake inhibitor of GLT-1/EAAT2 with IC50 of 85 nM. WAY-213613 hydrochloride inhibits EAAT1 and EAAT3 with IC50 values of 5 and 3.8 microM, respectively. WAY-213613 hydrochloride shows no activity at ionotropic and metabotropic glutamate receptors. It is a potential tool for the elucidation of EAAT2 function and can be used for the research of central nervous system [1] [2]. |
| Targets(IC50) | transporter |

Solubility Information

| | |
|------------|---|
| Solubility | H2O: < 0.1 mg/mL (insoluble) DMSO: 49 mg/mL (108.49 mM),Sonication and heating to 80°C are recommended. (1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 2.2141 mL | 11.0705 mL | 22.141 mL |
| 5 mM | 0.4428 mL | 2.2141 mL | 4.4282 mL |
| 10 mM | 0.2214 mL | 1.1071 mL | 2.2141 mL |
| 50 mM | 0.0443 mL | 0.2214 mL | 0.4428 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

Dunlop J, et al. Characterization of novel aryl-ether, biaryl, and fluorene aspartic acid and diaminopropionic acid analogs as potent inhibitors of the high-affinity glutamate transporter EAATMol Pharmacol. 2005 Oct;68(4):974-

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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