
Product Data Sheet

Product Name: Foliglurax

Cat. No.: GC36064

Chemical Properties

Cas. No. 1883329-51-8

SMILES O/N=C1C=C(C2=CC3=C(C=CS3)C=N2)OC4=CC=C(CCCN5CCOCC5)C=C\14

Formula $C_{23}H_{23}N_3O_3S$

M.Wt 421.51

Solubility DMSO: 5.2 mg/mL (12.34 mM and warming)

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Foliglurax (PXT002331) is a highly selective and potent, brain-penetrant metabotropic glutamate receptor 4 positive allosteric modulator (mGluR4 PAM) with an EC₅₀ of 79 nM[1]. Antiparkinsonian effect[1]. mGlu4|79 nM (EC₅₀)

Foliglurax, a highly selective and potent mGlu4 receptor PAM with a marked brain-penetrance feature, might revolutionize the field of mGlu4 receptor drug targeting in CNS disorders[2].

[1]. Charvin D, et al. Discovery, Structure-Activity Relationship, and Antiparkinsonian Effect of a Potent and Brain-Penetrant Chemical Series of Positive Allosteric Modulators of Metabotropic Glutamate Receptor 4. *J Med Chem.* 2017 Oct 26;60(20):8515-8537. [2].

Volpi C, et al. Opportunities and challenges in drug discovery targeting metabotropic glutamate receptor 4. *Expert Opin Drug Discov.* 2018 May;13(5):411-423.

Caution: Product has not been fully validated for medical applications. For research use only.

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