
Product Data Sheet

Product Name: FD 12-9
Cat. No.: GC36034

Chemical Properties

Cas. No. 1451741-22-2

SMILES O=C(OC)C1=CC=CC(COC2=C(C3=CC=C(OCCOCCOCCN4N=NC(CCCOC5=CC=C6C(C=C(C7=CC=CC=C7)OC6=C5)=O)=C4)C=C3)

Formula C₅₁H₄₇N₃O₁₁

M.Wt

877.93

Solubility Soluble in DMSO

Storage

Store at -20°C

General 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 tips several months.

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

Structure

Background

FD 12-9 is a flavonoid dimer, acts as a dual inhibitor of P-gp and BCRP, with EC50s of 285 nM and 0.9 nM, respectively. Anti-glioblastoma activity[1]. EC50: 0.9 nM (BCRP), 285 nM (P-gp)[1]

[1]. Hu Xuesen, et al. Developing a novel strategy to treat glioblastoma : improving brain bioavailability of sorafenib with a synthetic flavonoid dimer to inhibit drug efflux in blood brain barrier.

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

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