

Product Data Sheet

Product Name: FLT3 Inhibitor III

Cat. No.: GC43676

Chemical Properties

Cas. No. 852045-46-6

SMILES C1(NC2=CC=C(OCCN3CCCC3)C=C2)=NC=C(C4=CC=CC=C4)S1

Formula C₂₁H₂₃N₃OS

M.Wt 365.5

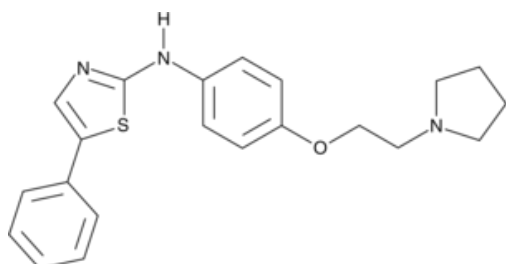
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS(pH 7.2) (1:4): 0.25 mg/ml, Ethanol: 20 mg/ml

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

FLT3 Inhibitor III is a potent inhibitor of Fms-like tyrosine kinase 3 (FLT3; IC₅₀ = 50 nM). It shows high selectivity for FLT3 over a panel of 300 other kinases. FLT3 Inhibitor III blocks FLT-dependent cell proliferation in a dose-dependent manner. FLT3 Inhibitor III has been used to study signaling through FLT3 and FLT3 with internal tandem duplications (FLT3-ITD) in cells.

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

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