
Product Data Sheet

Product Name: CHMFL-FLT3-122

Cat. No.: GC50266

Chemical Properties

Cas. No. 1839150-56-9

SMILES NC1=C2C(N([C@@H]3CCCN(C(CN(C)C)=O)C3)N=C2C4=CC=C(OC5=CC=CC=C5)C=C4)=NC=N1

Formula C₂₆H₂₉N₇O₂

M.Wt

471.55

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 stored below -20°C for several months.

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

Structure

Background

Potent and selective FLT3 inhibitor (IC₅₀ = 40 nM). Exhibits >10-fold and 170-fold selectivity for FLT3 over BTK kinase and c-KIT kinase, respectively in vitro. Induces apoptosis by arresting cell cycle in G₀/G₁ phase in vitro. Suppresses tumor growth in an AML xenograft model. Modestly orally bioavailable.

Li et al (2015) Discovery of (R)-1-(3-(4-Amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)-2-(dimethylamino)ethanone (CHMFL-FLT3-122) as a potent and orally available FLT3 kinase inhibitor for FLT3-ITD positive acute myeloid leu J. Med. Chem. 58 9625 PMID:26630553

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

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