

Product Name : LGB-321

Synonyms : LGB 321;LGB321

Cat No. : M10786

CAS Number : 1210416-93-5

Molecular Formula : C₂₃H₂₄Cl₂F₃N₅O₂

Formula Weight : 530.37

Chemical Name : N-(4-((3R,4R,5S)-3-amino-4-hydroxy-5-methylpiperidin-1-yl)pyridin-3-yl)-6-(2,6-difluorophenyl)-5-fluoropicolinamide hydrochloride

Description

LGB-321 (LGB321) is a potent and specific pan-Pim inhibitor with K_i of 1/2.1/0.8 pM for Pim1/2/3, respectively; inhibits proliferation, mTOR-C1 signaling and phosphorylation of BAD in PIM2-dependent MM cell lines; shows activity in cell lines derived from diverse hematological lineages, including ALL, AML, NHL; shows activity in the KG-1 AML xenograft model, and synergizes with cytarabine.

Pathway : JAK/STAT Signaling

Target : Pim

Receptor : Pim

Solubility : —

SMILES : O=C(NC1=C(N2C[C@@H](N)[C@H](O)[C@@H](C)C2)C=CN=C1)C3=NC(C4=C(F)C=CC=C4F)=C(F)C=C3.[H]Cl.[H]Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Garcia PD, et al. Clin Cancer Res. 2014 Apr 1;20(7):1834-45.

