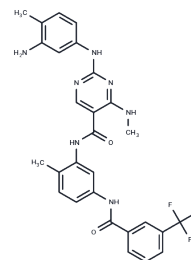


CHMFL-ABL-053

Chemical Properties

CAS No. : 1808287-83-3
 Formula: C₂₈H₂₆F₃N₇O₂
 Molecular Weight: 549.55
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	CHMFL-ABL-053 (Compound 18a) is a potent, selective, and orally available inhibitor of BCR-ABL, SRC, and p38 kinases, with IC ₅₀ values of 70, 90, and 62 nM against ABL1, SRC, and p38, respectively. CHMFL-ABL-053 is a potentially useful drug candidate for Chronic Myeloid Leukemia (CML) [1].
Targets(IC50)	Others,Bcr-Abl,p38 MAPK,Src
In vitro	CHMFL-ABL-053 (Compound 18a) inhibited the proliferation of CML cell lines K562 (GI ₅₀ = 14 nM), KU812 (GI ₅₀ = 25 nM), and MEG-01 (GI ₅₀ = 16 nM).
In vivo	A 50 mg/kg/day dosage treatment of CHMFL-ABL-053 (Compound 18a) could almost completely suppress tumor progression in the K562 cells inoculated xenograft mouse model.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8197 mL	9.0984 mL	18.1967 mL
5 mM	0.3639 mL	1.8197 mL	3.6393 mL
10 mM	0.182 mL	0.9098 mL	1.8197 mL
50 mM	0.0364 mL	0.182 mL	0.3639 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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