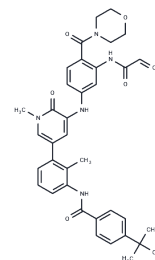


CHMFL-BTK-01

Chemical Properties

CAS No. : 2095280-64-9
 Formula: C₃₈H₄₁N₅O₅
 Molecular Weight: 647.76
 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-BTK-01 is an irreversible inhibitor of BTK (IC ₅₀ : 7 nM) and also potently inhibits BTK Y223 auto-phosphorylation.
Targets(IC ₅₀)	BTK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5438 mL	7.7189 mL	15.4378 mL
5 mM	0.3088 mL	1.5438 mL	3.0876 mL
10 mM	0.1544 mL	0.7719 mL	1.5438 mL
50 mM	0.0309 mL	0.1544 mL	0.3088 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.

Reference

Liang Q, et al. Discovery of N-(3-(5-((3-acrylamido-4-(morpholine-4-carbonyl)phenyl)amino)-1-methyl-6-oxo-1,6-dihydropyridin-3-yl)-2-methylphenyl)-4-(tert-butyl)benzamide (CHMFL-BTK-01) as a highly selective irreversible Bruton's tyrosine kinase (BTK) inhibitor. Eur J Med Chem. 2017 May 5;131:107-125.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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