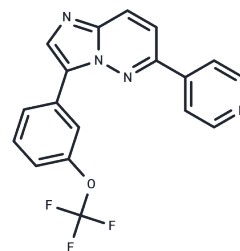


LMTK3-IN-1

Chemical Properties

CAS No. :	2764850-23-7
Formula:	C ₁₈ H ₁₁ F ₃ N ₄ O
Molecular Weight:	356.3
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Lmtk3-in-1 is a potent ATP-competitive lemur tyrosine kinase 3 (LMTK3) (K _d =2.5 μM) inhibitor that degrades LMTK3 through the ubiquitin proteasome pathway. LMTK3-IN-1 has shown anticancer activity in a variety of cancer cell lines and in vivo BC mouse models. LMTK3-IN-1 (10-20 μM) can induce the apoptosis of BC cell line.
Targets(IC50)	c-Met/HGFR

Solubility Information

Solubility	DMSO: 9.17 mg/mL (25.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8066 mL	14.0331 mL	28.0662 mL
5 mM	0.5613 mL	2.8066 mL	5.6132 mL
10 mM	0.2807 mL	1.4033 mL	2.8066 mL
50 mM	0.0561 mL	0.2807 mL	0.5613 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

Agnarelli A, et al. The Inhibitory Properties of a Novel, Selective LMTK3 Kinase Inhibitor. Int J Mol Sci. 2023 Jan 3;24 (1):865.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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