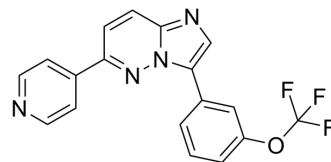


LMTK3-IN-1

Cat. No.:	HY-153896		
CAS No.:	2764850-23-7		
Molecular Formula:	C ₁₈ H ₁₁ F ₃ N ₄ O		
Molecular Weight:	356.3		
Target:	c-Met/HGFR		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (14.03 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

LMTK3-IN-1 (compound C28) is an ATP-competitive inhibitor of lemur tyrosine kinase 3 (LMTK3) ($K_d=2.5 \mu\text{M}$) that acts by degrading LMTK3 via the ubiquitin-proteasome pathway. LMTK3-IN-1 shows anticancer activity in a variety of cancer cell lines and in vivo BC mouse models. LMTK3-IN-1 induces apoptosis in BC cell lines at 10-20 μM ^[1].

IC₅₀ & Target

LMTK3^[1]

REFERENCES

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

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

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