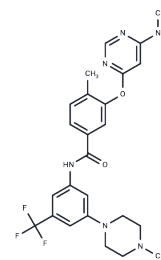


TL4-12

Chemical Properties

CAS No. :	1620820-12-3
Formula:	C ₂₅ H ₂₇ F ₃ N ₆ O ₂
Molecular Weight:	500.52
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	TL4-12 is a specific MAP4K2/GCK inhibitor that inhibits IKZF1 and BCL-6. TL4-12 inhibits MM cell proliferation and induces apoptosis, and can be used in the study of multiple myeloma (MM).
Targets(IC50)	Apoptosis, Bcl-2 Family, MAPK, Bcl-6, Immunology/Inflammation related, IKZF
In vitro	The GCK inhibitor TL4-12 downregulates IKZF1 and BCL-6 in a dose-dependent manner, resulting in proliferation inhibition and induction of apoptosis in multiple myeloma cells [1].

Solubility Information

Solubility	DMSO: 5.04 mg/mL (10.07 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	1.9979 mL	9.9896 mL	19.9792 mL
5 mM	0.3996 mL	1.9979 mL	3.9958 mL
10 mM	0.1998 mL	0.999 mL	1.9979 mL
50 mM	0.040 mL	0.1998 mL	0.3996 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

Shirong Li, et al. Targeting the GCK pathway: a novel and selective therapeutic strategy against RAS-mutated multiple myeloma. Blood. 2021 Apr 1;137(13):1754-1764.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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