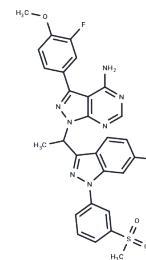


TYM-3-98

## Chemical Properties

CAS No. : 2820244-59-3  
 Formula: C<sub>28</sub>H<sub>23</sub>ClFN<sub>7</sub>O<sub>3</sub>S  
 Molecular Weight: 592.05  
 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	TYM-3-98 is a novel, selective PI3K $\delta$ inhibitor (IC <sub>50</sub> =7.1 nM). It induces apoptosis by blocking PI3K/AKT/mTOR signaling in B-cell lymphoma models.
Targets(IC <sub>50</sub> )	PI3K
In vitro	TYM-3-98 potently inhibited PI3K $\delta$ , suppressed AKT/mTOR phosphorylation, and induced dose-dependent cell cycle arrest and apoptosis in B-lymphoma[1].
In vivo	TYM-3-98 (p.o.) showed excellent PK profiles and significantly inhibited tumor growth without apparent toxicity in xenograft models[1].

## Solubility Information

Solubility	DMSO: 16 mg/mL (27.02 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	1.689 mL	8.4452 mL	16.8905 mL
5 mM	0.3378 mL	1.689 mL	3.3781 mL
10 mM	0.1689 mL	0.8445 mL	1.689 mL
50 mM	0.0338 mL	0.1689 mL	0.3378 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

Ammann D, et al. Neutral carrier sodium ion-selective microelectrode for extracellular studies]]. Neuroscience letters, 1985, 57(3): 267-271.

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