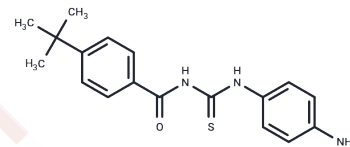


Tenovin-3

Chemical Properties

CAS No. :	1011301-27-1
Formula:	C ₁₈ H ₂₁ N ₃ O ₂ S
Molecular Weight:	327.44
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	Tenovin-3 acts as a p53 activator.
Targets(IC50)	Sirtuin,MDM-2/p53

Solubility Information

Solubility	DMSO: 65 mg/mL (198.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.11 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.054 mL	15.270 mL	30.5399 mL
5 mM	0.6108 mL	3.054 mL	6.108 mL
10 mM	0.3054 mL	1.527 mL	3.054 mL
50 mM	0.0611 mL	0.3054 mL	0.6108 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

Ma L, et al. Cell Death Dis. 2014 Oct 23;5:e1483.

Lv S, Pan Q, Lu W, et al. Tenovin 3 induces apoptosis and ferroptosis in EGFR 19del non small cell lung cancer cells. Scientific Reports. 2024, 14(1): 7654.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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