

dTRIM24

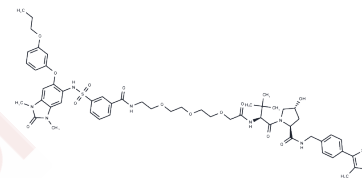
Chemical Properties

CAS No. : 2170695-14-2

Formula: C₅₅H₆₈N₈O₁₃S₂

Molecular Weight: 1113.3

Storage: Store at low temperature, Keep away from direct sunlight
 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	dTRIM24 is a selective bifunctional TRIM24 degradation agent based on PROTAC technology, consisting of the ligands von Hippel-Lindau and TRIM24.
Targets(IC50)	Epigenetic Reader Domain, PROTACs
In vitro	dTRIM24 suppresses growth, accompanied by apoptosis measured as enhanced PARP cleavage.[1] dTRIM24 is a TRIM24 bromodomain degrader.[1] Recruitment of the VHL E3 ubiquitin ligase by dTRIM24 elicits potent and selective degradation of TRIM24.[1]

Solubility Information

Solubility	Ethanol: insoluble DMSO: 90 mg/mL (80.84 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: 3.3 mg/mL (2.96 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	0.8982 mL	4.4912 mL	8.9823 mL
5 mM	0.1796 mL	0.8982 mL	1.7965 mL
10 mM	0.0898 mL	0.4491 mL	0.8982 mL
50 mM	0.018 mL	0.0898 mL	0.1796 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

Gechijian LN, et al. Functional TRIM24 degrader via conjugation of ineffectual bromodomain and VHL ligands. *Nat Chem Biol.* 2018 ; 14(4):405-412.

Huang JH, et al. Bioinspired PROTAC-induced macrophage fate determination alleviates atherosclerosis. 2023 ; 1-15

Han M, et al. Pharmacological targeting of Tripartite Motif Containing 24 for the treatment of glioblastoma. *J Transl Med.* 2021 ; 19(1):505.

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