Data Sheet (Cat.No.T36254)

TargetMol

dTAGV-1 hydrochloride

Chemical Properties

CAS No. : 2624313-16-0

Formula: C68H91ClN6O14S

Molecular Weight: 1284.00

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	dTAGV-1 hydrochloride is a PROTAC-based bifunctional degrader that utilizes the VHL E3 ligase recruitment mechanism to efficiently and selectively induce the in vivo and in vitro degradation of FKBP12F36V-tagged proteins, while having no effect on wild-type FKBP12 protein.
Targets(IC50)	Others
In vitro	dTAGV-1 hydrochloride (0.1 nM-10 μM; 24 h) effectively induces the degradation of FKBP12F36V-Nluc in 293FT cells, but has no effect on FKBP12WT-Nluc. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (62.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7788 mL	3.8941 mL	7.7882 mL
5 mM	0.1558 mL	0.7788 mL	1.5576 mL
10 mM	0.0779 mL	0.3894 mL	0.7788 mL
50 mM	0.0156 mL	0.0779 mL	0.1558 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

Gray NS, et al. SMALL MOLECULE DEGRADERS OF FKBP12 VIA RECRUITMENT OF VON HIPPEL-LINDAU E3 UBIQUITIN LIGASE (VHL) E3 UBIQUITIN LIGASE, AND USES IN dTAG SYSTEMS. France, WO2020146250A1. 2020-07-16.

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