

dTAGV-1

Chemical Properties

CAS No. : 2451573-86-5

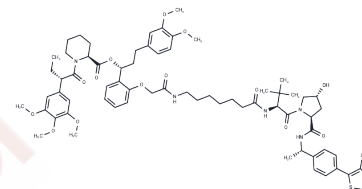
Formula: C₆₈H₉₀N₆O₁₄S

Molecular Weight: 1247.54

Keep away from direct sunlight

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	Degrader targeting mutant FKBP12F36V fusion proteins. Comprises a ligand selective for F36V single-point mutated FKBP12, a linker and a von Hippel-Lindau (VHL)-binding ligand. Induces potent and selective degradation of FKBP12F36V fusion proteins in vitro and in vivo. Selectively degrades FKBP12F36V-EWS/FLI fusion proteins and inhibits cell proliferation in FKBP12F36V-EWS/FLI-expressing Ewing sarcoma cells. Hydrochloride salt available; suitable for in vivo use. Negative control dTAGV-1-NEG also available. FKBP12F36V can be expressed as a fusion with a target protein of interest using genome engineering techniques, via transgene expression or CRISPR-mediated locus-specific knock-in. Custom knock-in cell lines for the dTAG and aTAG platforms are available from our sister brand R&D Systems. Email TPD@bio-techno.com to enquire. Plasmid vectors for the lentiviral expression and CRISPR-mediated knock-in of FKBP12F36V are available from Addgene.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 136.16 mg/mL (109.14 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	0.8016 mL	4.0079 mL	8.0158 mL
5 mM	0.1603 mL	0.8016 mL	1.6032 mL
10 mM	0.0802 mL	0.4008 mL	0.8016 mL
50 mM	0.016 mL	0.0802 mL	0.1603 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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