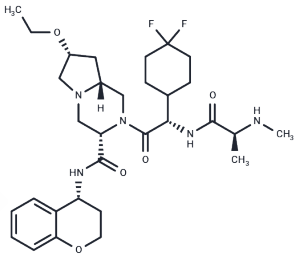
Data Sheet (Cat.No.T26246)

TargetMol

T-3256336

Chemical Properties



CAS No. : 1266227-69-3

Formula: C31H45F2N5O5

Molecular Weight: 605.72

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	T-3256336 is an orally available IAP antagonist agent that acts by selectively binding to and antagonizing protein interactions involving cellular IAP-1 (cIAP-1), cIAP-2, and X-linked IAP (XIAP).
Targets(IC50)	Others,IAP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6509 mL	8.2546 mL	16.5093 mL
5 mM	0.3302 mL	1.6509 mL	3.3019 mL
10 mM	0.1651 mL	0.8255 mL	1.6509 mL
50 mM	0.033 mL	0.1651 mL	0.3302 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

Sumi H, Inazuka M, Morimoto M, Hibino R, Hashimoto K, Ishikawa T, Kuida K, Smith PG, Yoshida S, Yabuki M. An inhibitor of apoptosis protein antagonist T-3256336 potentiates the antitumor efficacy of the Nedd8-activating enzyme inhibitor pevonedistat (TAK-924/MLN4924). Biochem Biophys Res Commun. 2016 Nov 18;480(3):380-386. doi: 10.1016/j.bbrc.2016.10.058. Epub 2016 Oct 19. PubMed PMID: 27771247.

Sumi H, Inazuka M, Hashimoto K, Ishikawa T, Yoshida S, Yabuki M. T-3256336, a novel and orally available small molecule IAP antagonist, induced tumor cell death via induction of systemic TNF alpha production. Biochem Biophys Res Commun. 2016 Oct 14;479(2):179-185. doi: 10.1016/j.bbrc.2016.09.019. Epub 2016 Sep 5. PubMed PMID: 27608596.

Takeuchi S, Kojima T, Hashimoto K, Saito B, Sumi H, Ishikawa T, Ikeda Y. Screening and Characterization of Hydrate Forms of T-3256336, a Novel Inhibitor of Apoptosis (IAP) Protein Antagonist. Chem Pharm Bull (Tokyo). 2015;63 (11):858-65. doi: 10.1248/cpb.c15-00262. PubMed PMID: 26521850.

Shiokawa Z, Hashimoto K, Saito B, Oguro Y, Sumi H, Yabuki M, Yoshimatsu M, Kosugi Y, Debori Y, Morishita N, Dougan DR, Snell GP, Yoshida S, Ishikawa T. Design, synthesis, and biological activities of novel hexahydropyrazino[1,2-a]indole derivatives as potent inhibitors of apoptosis (IAP) proteins antagonists with improved membrane permeability across MDR1 expressing cells. Bioorg Med Chem. 2013 Dec 15;21(24):7938-54. doi: 10.1016/j.bmc.2013.09.067. Epub 2013 Oct 12. PubMed PMID: 24169315.

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