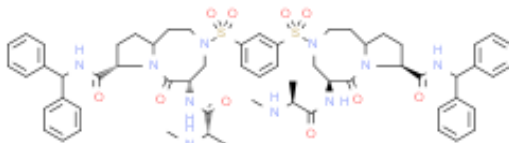


## Product Data Sheet

Cas No.:	1570231-89-8	Cat. No:	PL02762
Product Name:	APG-1387		
Product synonym:	-		
Chemical name:	APG-1387		
MF:	C60H72N10O10S2	FW:	1157.4047
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	S(C1C([H])=C([H])C([H])=C(C=1[H])S(N1C([H])([H])[C@@]([H])(C(N2[C@]([H])(C(N([H])C([H])(C3C([H])=C([H])C([H])=C([H])C=3[H])C3C([H])=C([H])C([H])=C([H])C=3[H])=O)C([H])([H])C([H])([H])[C@]2([H])C([H])([H])C1([H])([H])=O)N([H])C([C@]([H])(C([H])([H])N([H])C([H])([H])=O)(=O)=O)(N1C([H])([H])[C@@]([H])(C(N2[C@]([H])(C(N([H])C([H])(C3C([H])=C([H])C([H])=C([H])C=3[H])C3C([H])=C([H])C([H])=C([H])C=3[H])=O)C([H])([H])C([H])([H])[C@]2([H])C([H])([H])C1([H])([H])=O)N([H])C([C@]([H])(C([H])([H])N([H])C([H])([H])=O)(=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

APG-1387 是一种二价 SMAC 模拟物，是 IAP 拮抗剂，可阻断 IAP 家族蛋白 (XIAP, cIAP-1, cIAP-2 和 ML-IAP) 的活性。APG-1387 诱导 cIAP-1 和 XIAP 蛋白降解以及 caspase-3 激活和 PARP 裂解，从而导致细胞凋亡。APG-1387 可用于肝细胞癌，卵巢癌和鼻咽癌的研究。

生物活性	APG-1387, a bivalent SMAC mimetic and an IAP antagonist, blocks the activity of IAPs family proteins (XIAP, cIAP-1, cIAP-2, and ML-IAP). APG-1387 induces degradation of cIAP-1 and XIAP proteins, as well as caspase-3 activation and PARP cleavage, which leads to apoptosis. APG-1387 can be used for the research of hepatocellular carcinoma, ovarian cancer, and nasopharyngeal carcinoma.
IC50 & Target[1][2]	IAP

体外研究(In Vitro)	APG-1387 (0.02-20 $\mu$ M; 24 h) induces rapid degradation of cIAPs in HepG2 and HCCLM3 cells. APG-1387 (2 $\mu$ M; 24 h) enhances TNF- $\alpha$ - and TRAIL-mediated anti-cancer activities in HepG2 and HCCLM3 cells. APG-1387 sensitizes HepG2 and HCCLM3 cells to NK cell-mediated killing in vitro. has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis
体内研究(In Vivo)	APG-1387 (20 mg/kg; i.p. every 3 days for 4 weeks) sensitizes HCCLM3 tumors toward NK cell-mediated killing in mice. APG-1387 (20 mg/kg; i.p. every 3 days for 4 weeks) monotherapy exhibits some degree of anti-tumor effect and is well tolerated in mice. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	-20°C, stored under nitrogen In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)
溶解度数据	In Vitro: DMSO : 50 mg/mL (43.20 mM; Need ultrasonic) H <sub>2</sub> O : < 0.1 mg/mL (insoluble) 配制储备液