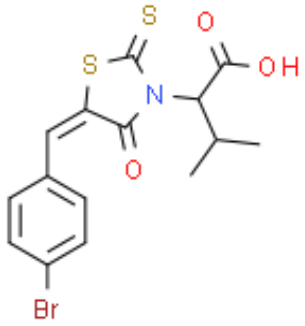
Product Data Sheet

Cas No.:	300817-68-9	Cat. No:	PL07028
Product Name:	BH3I-1		
Product synonym:	-		
Chemical name:	BH3I-1		
MF:	C15H14BRNO3S2	FW:	400.3106
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	BrC1C([H])=C([H])C(=C([H])C=1[H])C([H])=C1C(N(C(=S)S1)C([H])(C(=O)O[H])C([H])([H])[H])C([H])([H])[H])=O		
InChI Code:	-		
InChI Key:			

WARNING This product is not for human or veterinary use.

Product Description

BH3I-1 是一种 Bcl-2家族 拮抗剂，抑制 Bak BH3 肽与 Bcl-xL 结合，K_i 为 2.4±0.2 μM。BH3I-1 作用于 p53/mDM2，K_d 为 5.3 μM。

生物活性	BH3I-1 is a Bcl-2 family antagonist, which inhibits the binding of the Bak BH3 peptide to Bcl-xL with a K i of 2.4±0.2 μM in FP assay. BH3I-1 has a K d of 5.3 μM against the p53/MDM2 pair.
IC50 & Target[1][2]	Bcl-2 Bcl-xL
体外研究(In Vitro)	BH3I-1, while inhibiting its reported target Bcl-2/Bim and Bcl-xL/Bim, shows significant inhibition of both the p53/hDM2 and p300/Hif-1α interactions. This surprising promiscuity, displays by a well studied compound leads to further interrogate the p53/hDM2 interaction utilizing a standard fluorescence polarization (FP) assay with purified protein. The results from the FP assay validates the split-luciferase screen and demonstrates that BH3I-1 has a Kd=5.3 μM against the p53/mDM2 pair, which is comparable to its low micromolar potency reported for the BH3 family of receptors. BH3I-1 inhibits interaction between the BH3 domain and Bcl-xL. NMR analyses reveal that BH3I-1 targets the BH3-binding pocket of Bcl-xL with a Ki of 7.8±0.9 μM. has not independently confirmed the accuracy of these methods. Th
包装储存	Powder -20°C 3 years； 4°C 2 years

溶解度数据	In Vitro: DMSO : 100 mg/mL (249.81 mM; Need ultrasonic)配制储备液