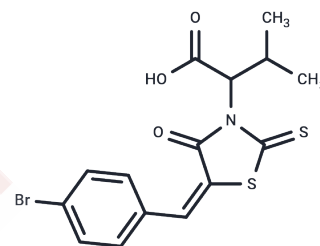


## BH3I-1

## Chemical Properties

CAS No. :	300817-68-9
Formula:	C <sub>15</sub> H <sub>14</sub> BrNO <sub>3</sub> S <sub>2</sub>
Molecular Weight:	400.31
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	BH3I-1 (BHI1) is a Bcl-2 antagonist.
Targets(IC50)	Bcl-2 Family,E1/E2/E3 Enzyme,MDM-2/p53
In vitro	BH3I-1 inhibits Bcl-xL heterodimerization in vitro. It also induces cytochrome c release [1]. 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-1a interactions[2].
Cell Research	Cells (5×10 <sup>4</sup> cells per well) are seeded into white 96-well plates (Costar) and treated with various concentrations of the compounds for 48 h. For zVAD-FMK protection experiments, cells are preincubated with 100 μM zVAD-FMK for 1 h before the addition of chemicals. Cell viability is determined with an MTS assay. For PI staining experiments, cells are grown in 24-well plates and then incubated with 2 μg ml/L PI. Cell death is determined by FACS analysis.(Only for Reference)

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 60 mg/mL (149.88 mM),Sonication is recommended. Ethanol: 11 mg/mL (27.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.4981 mL	12.4903 mL	24.9806 mL
5 mM	0.4996 mL	2.4981 mL	4.9961 mL
10 mM	0.2498 mL	1.249 mL	2.4981 mL
50 mM	0.050 mL	0.2498 mL	0.4996 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

Degterev A, et al. Nat Cell Biol. 2001, 3(2):173-82.

Porter JR, et al. Chem Commun (Camb). 2010, 46(42):8020-2.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481