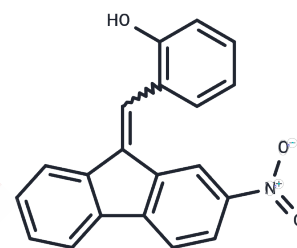


## SMBA1

## Chemical Properties

CAS No. :	906440-37-7
Formula:	C <sub>20</sub> H <sub>13</sub> NO <sub>3</sub>
Molecular Weight:	315.32
Storage:	Store at low temperature, Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	SMBA1 is a highly potent Bax agonist with antitumor activity that induces cell cycle arrest and apoptosis in malignant glioma cells. SMBA1 can be used to study triple-negative breast cancer.
Targets(IC50)	Bcl-2 Family
In vitro	SMBA1 exhibited Bax agonist activity by inhibiting the phosphorylation of S184, promoting the insertion of Bax into the mitochondrial membrane and the formation of Bax oligomers, and thereby inducing conformational changes in Bax. SMBA1 (0, 0.1, 1, 5, 10 μM; 24 hr) potentiated Bax expression in a dose-dependent manner in A549 cells. [1]
In vivo	SMBA1 (2, 10, 40, 60 mg/kg; intraperitoneal injection; once daily for 10 days) exhibited antitumor activity in mice. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1714 mL	15.8569 mL	31.7138 mL
5 mM	0.6343 mL	3.1714 mL	6.3428 mL
10 mM	0.3171 mL	1.5857 mL	3.1714 mL
50 mM	0.0634 mL	0.3171 mL	0.6343 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

Xin M, et al. Small-molecule Bax agonists for cancer therapy. Nat Commun. 2014 Sep 17;5:4935.

**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