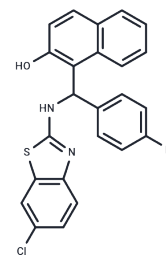


## SIRT-IN-7

## Chemical Properties

CAS No. :	1620634-65-2
Formula:	C <sub>24</sub> H <sub>16</sub> BrClN <sub>2</sub> O <sub>5</sub>
Molecular Weight:	495.819
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	SIRT-IN-7 (Compound 7ba) is a SIRT inhibitor. It effectively suppresses the expression of SIRT1, SIRT2, and SIRT3, leading to increased acetylation and activation of p53. Additionally, SIRT-IN-7 inhibits the proliferation of breast cancer cells and induces apoptosis and autophagy, demonstrating antitumor activity.
Targets(IC50)	Apoptosis, Autophagy, Sirtuin, MDM-2/p53

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0169 mL	10.0843 mL	20.1686 mL
5 mM	0.4034 mL	2.0169 mL	4.0337 mL
10 mM	0.2017 mL	1.0084 mL	2.0169 mL
50 mM	0.0403 mL	0.2017 mL	0.4034 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.

**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