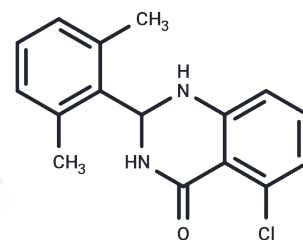


PBRM1-BD2-IN-7

## Chemical Properties

CAS No. : 2819989-68-7  
 Formula: C<sub>16</sub>H<sub>15</sub>ClN<sub>2</sub>O  
 Molecular Weight: 286.76  
 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	PBRM1-BD2-IN-7, a selective and cell-active inhibitor targeting the polybromo-1 (PBRM1) bromodomain, demonstrates inhibitory efficacy against PBRM1-BD2 with an IC <sub>50</sub> value of 0.29 μM. This compound is utilized in cancer research.
Targets(IC <sub>50</sub> )	Epigenetic Reader Domain
In vitro	PBRM1-BD2-IN-7 (0, 0.1, 1, and 10 μM; 5 days) selectively inhibits the growth of a PBRM1-dependent prostate cancer cell line, with an IC <sub>50</sub> value of 0.29 μM for PBRM1-BD2 inhibitory activity[1].

## Solubility Information

Solubility	DMSO: 55 mg/mL (191.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4872 mL	17.4362 mL	34.8724 mL
5 mM	0.6974 mL	3.4872 mL	6.9745 mL
10 mM	0.3487 mL	1.7436 mL	3.4872 mL
50 mM	0.0697 mL	0.3487 mL	0.6974 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

Shifali Shishodia, et al. Selective and Cell-Active PBRM1 Bromodomain Inhibitors Discovered through NMR Fragment Screening. J Med Chem. 2022 Oct 13.

**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