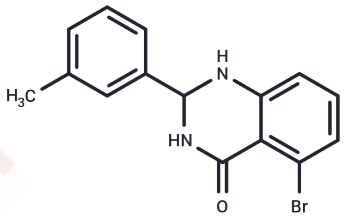
Data Sheet (Cat.No.T60157)

TargetMol

PBRM1-BD2-IN-8

Chemical Properties



CAS No. : 2819989-75-6

Formula: C15H13BrN2O

Molecular Weight: 317.18

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-8 (compound 34) is a potent PBRM1 Bromodomain inhibitor with PBRM1-BD2 Kd of 4.4 μM, PBRM1-BD2 IC50 of 0.16 μM, and PBRM1-BD5 Kd of 25 μM; PBRM1-BD2-IN-8 shows anti-cancer activity.
Targets(IC50)	Epigenetic Reader Domain
In vitro	PBRM1-BD2-IN-8 (0-100 μM; 48 h) inhibits the growth of PBRM1-dependent prostate cancer cells[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (173.4 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 (6.31 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1528 mL	15.7639 mL	31.5278 mL
5 mM	0.6306 mL	3.1528 mL	6.3056 mL
10 mM	0.3153 mL	1.5764 mL	3.1528 mL
50 mM	0.0631 mL	0.3153 mL	0.6306 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

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