

OF-1

Chemical Properties

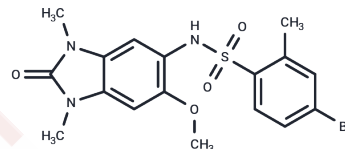
CAS No. : 919973-83-4

Formula: C₁₇H₁₈BrN₃O₄S

Molecular Weight: 440.31

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	OF-1 is a potent inhibitor of BRPF1B and BRPF2 bromodomain.
Targets(IC50)	Epigenetic Reader Domain
In vitro	As a chemical probe for BRPF bromodomains, OF-1 increases thermal stability in the cellular thermal shift assay of full length BRPF1B at 1 μM and also demonstrates accelerated FRAP recovery at 5 μM in the BRPF2 FRAP assay. In addition, OF-1 shows modest general cytotoxicity. [1]

Solubility Information

Solubility	DMSO: 8.8 mg/mL (19.99 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: 1 mg/mL (2.27 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

	1mg	5mg	10mg
1 mM	2.2711 mL	11.3556 mL	22.7113 mL
5 mM	0.4542 mL	2.2711 mL	4.5423 mL
10 mM	0.2271 mL	1.1356 mL	2.2711 mL
50 mM	0.0454 mL	0.2271 mL	0.4542 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

Structural Genomics Consortium (SGC).

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