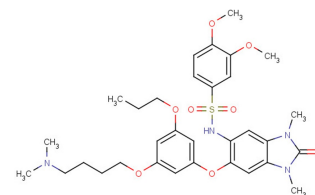


IACS-9571

Chemical Properties

CAS No.:	1800477-30-8
Formula:	C32H42N4O8S
Molecular Weight:	642.76
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	IACS-9571 is a selective and potent inhibitor of TRIM24 and BRPF1, (IC50: 8 nM for TRIM24; Kds: 31 nM and 14 nM for TRIM24 and BRPF1).
Targets(IC50)	TRIM24: (kd)31 nM BRPF1: 14 nM
In vitro	IACS-9571 is a selective dual TRIM24/BRPF1 inhibitor (Kd: 1.3/2.1 nM) with 9- and 21-fold selectivity against BRPF2 and BRPF3, respectively. IACS-9571 does not interact with the BET sub-family of bromodomains, displaying greater than 7,700-fold selectivity versus BRD4(1, 2) relative to TRIM24. IACS-9571 shows excellent cellular potency (EC50: 50 nM).

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.556 mL	7.779 mL	15.558 mL
5 mM	0.311 mL	1.556 mL	3.112 mL
10 mM	0.156 mL	0.778 mL	1.556 mL
50 mM	0.031 mL	0.156 mL	0.311 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Palmer WS, et al. Structure-Guided Design of IACS-9571, a Selective High-Affinity Dual TRIM24-BRPF1 Bromodomain Inhibitor. J Med Chem. 2016 Feb 25;59(4):1440-54.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481