

ZL0590

Chemical Properties

CAS No. : 2230496-99-6

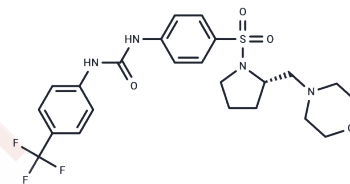
Formula: C23H27F3N4O4S

Molecular Weight: 512.55

Store at low temperature

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	ZL0590 is an effective and selective inhibitor of BD1-BRD4 (IC50 = 90 nM) with anti-inflammatory activities.
Targets(IC50)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 95 mg/mL (185.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.951 mL	9.7551 mL	19.5103 mL
5 mM	0.3902 mL	1.951 mL	3.9021 mL
10 mM	0.1951 mL	0.9755 mL	1.951 mL
50 mM	0.039 mL	0.1951 mL	0.3902 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

Liu Z, et al. Discovery, X-ray Crystallography, and Anti-inflammatory Activity of Bromodomain-containing Protein 4 (BRD4) BD1 Inhibitors Targeting a Distinct New Binding Site. J Med Chem. 2022;65(3):2388-2408.

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