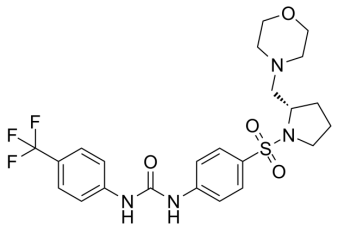
ZL0590

Cat. No.:	HY-145310
CAS No.:	2230496-99-6
Molecular Formula:	$C_{23}H_{27}F_3N_4O_4S$
Molecular Weight:	512.55
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (195.10 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.9510 mL	9.7551 mL	19.5103 mL
5 mM	0.3902 mL	1.9510 mL	3.9021 mL
10 mM	0.1951 mL	0.9755 mL	1.9510 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ZL0590 is a potent, orally active BRD4 BD1-selective inhibitor with an IC_{50} of 90 nM for human BRD4 BD1. ZL0590 exhibits significant anti-inflammatory activities[1].

IC_{50} & Target

IC50: 90 nM (human BRD4 BD1)[1]

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA