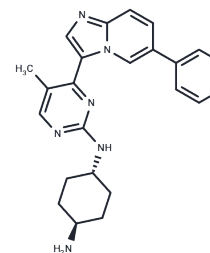


CDDD11-8

Chemical Properties

CAS No. : 2241659-94-7
 Formula: C₂₄H₂₆N₆
 Molecular Weight: 398.50
 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	CDDD11-8 is an orally administered, highly potent and selective CDK9 and FLT3-ITD inhibitor, with K_i values of 8 nM and 13 nM, respectively. It effectively reduces the proliferation of leukemia cell lines, showing particular efficacy against those with the FLT3-ITD mutation [1] [2].
Targets(IC50)	FLT,CDK
In vivo	CDDD11-8 administered orally at doses between 0 to 125 mg/kg daily can induce tumor regression [1]. In an animal model using MV4-11 tumor-bearing mice [1], the compound was tested at dosages of either 75 or 125 mg/kg. The administration was carried out orally on a daily basis for either 5 or 28 days. Results confirmed potent inhibition of CDK9 in vivo, as evidenced by the reduced phosphorylation of RNAPII at Ser2 and Ser5. Moreover, a decrease in the phosphorylation of FLT3 at Tyr591 and STAT5 at Tyr694 was observed, affirming the compound's effectiveness.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5094 mL	12.5471 mL	25.0941 mL
5 mM	0.5019 mL	2.5094 mL	5.0188 mL
10 mM	0.2509 mL	1.2547 mL	2.5094 mL
50 mM	0.0502 mL	0.2509 mL	0.5019 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.

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