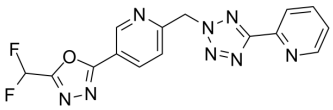
HDAC6-IN-23

Cat. No.:	HY-156274
CAS No.:	2991427-09-7
Molecular Formula:	$C_{15}H_{10}F_2N_8O$
Molecular Weight:	356.29
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; 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 (280.67 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.8067 mL	14.0335 mL	28.0670 mL
	5 mM	0.5613 mL	2.8067 mL	5.6134 mL
	10 mM	0.2807 mL	1.4034 mL	2.8067 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 2.5 mg/mL (7.02 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.5 mg/mL (7.02 mM); Clear solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 2.5 mg/mL (7.02 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

HDAC6-IN-23 (compound 9) is an orally active HDAC6 inhibitor[1].

REFERENCES

[1]. Ripa L, et al. Selective and Bioavailable HDAC6 2-(Difluoromethyl)-1,3,4-oxadiazole Substrate Inhibitors and Modeling of Their Bioactivation Mechanism [published

online ahead of print, 2023 Oct 5]. J Med Chem. 2023;10.1021/acs.jmedchem.3c01269.

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