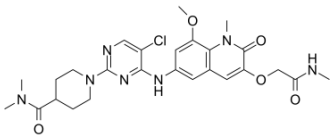
BI-3812

Cat. No.:	HY-111381
CAS No.:	2166387-64-8
Molecular Formula:	$C_{26}H_{32}ClN_7O_5$
Molecular Weight:	558.03
Target:	Bcl-2 Family
Pathway:	Apoptosis
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 : 20.83 mg/mL (37.33 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7920 mL	8.9601 mL	17.9202 mL
	5 mM	0.3584 mL	1.7920 mL	3.5840 mL
	10 mM	0.1792 mL	0.8960 mL	1.7920 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: 2.08 mg/mL (3.73 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (3.73 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BI-3812 is potent and efficacious BCL6 inhibitor, inhibiting the BTB domain of BCL6, with an IC_{50} of ≤3 nM; BI-3812 has antitumor activity.

IC_{50} & Target

IC50: ≤3 nM (BCL6 BTB)[1]

In Vivo

BI-3812 is a BCL6 inhibitor, with an IC_{50} of ≤3 nM. BI-3812 shows an IC_{50} of 40 nM for the cellular BCL6[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kerres N, et al. Chemically Induced Degradation of the Oncogenic Transcription Factor BCL6. Cell Rep. 2017 Sep 19;20(12):2860-2875.

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