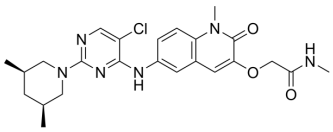
BI-3802

Cat. No.:	HY-108705
CAS No.:	2166387-65-9
Molecular Formula:	$C_{24}H_{29}ClN_6O_3$
Molecular Weight:	484.98
Target:	Bcl-2 Family; Molecular Glues
Pathway:	Apoptosis; PROTAC
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 : 6.67 mg/mL (13.75 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.0619 mL	10.3097 mL	20.6194 mL
	5 mM	0.4124 mL	2.0619 mL	4.1239 mL
	10 mM	0.2062 mL	1.0310 mL	2.0619 mL

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

BIOLOGICAL ACTIVITY

Description

BI-3802 is a highly potent BCL6 degrader and inhibits the Bric-à-brac (BTB) domain of BCL6 with an IC_{50} of ≤3 nM. BI-3802 induces the polymerization of BCL6 and promotes BCL6 degration depended on E3 ligase SIAH1. BI-3802 has antitumor activity[1][2].

IC_{50} & Target

IC50: ≤ 3 nM (BCL6 BTB)[1]

In Vitro

BI-3802 shows an IC_{50} of 43 nM for the cellular BCL6[1].
BI-3802 increases the interaction between BCL6 and SIAH1 (EC_{50} = 64 nM)[2].
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.

[2]. Mikołaj Słabicki, et al. Small-molecule-induced polymerization triggers degradation of BCL6. Nature. 2020 Nov 18.

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