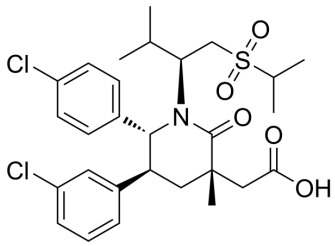
(3S,5S,6R)-Navtemadlin

Cat. No.:	HY-12296A
CAS No.:	2459946-14-4
Molecular Formula:	$C_{28}H_{35}Cl_2NO_5S$
Molecular Weight:	568.55
Target:	Others
Pathway:	Others

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 (175.89 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.7589 mL	8.7943 mL	17.5886 mL
5 mM	0.3518 mL	1.7589 mL	3.5177 mL
10 mM	0.1759 mL	0.8794 mL	1.7589 mL

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

BIOLOGICAL ACTIVITY

Description

(3S,5S,6R)-Navtemadlin is the isomer of Navtemadlin (HY-12296), and can be used as an experimental control. Navtemadlin (AMG 232) is a potent, selective and orally available inhibitor of p53-MDM2 interaction, with an IC_{50} of 0.6 nM. Navtemadlin binds to MDM2 with a K_d of 0.045 nM[1][2].

REFERENCES

[1]. Canon J, et al. The MDM2 Inhibitor AMG 232 Demonstrates Robust Antitumor Efficacy and Potentiates the Activity of p53-Inducing Cytotoxic Agents. Mol Cancer Ther. 2015 Mar;14(3):649-58.

[2]. Rew Y, et al. Discovery of a small molecule MDM2 inhibitor (AMG 232) for treating cancer. J Med Chem. 2014 Aug 14;57(15):6332-41.

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

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