

Mutant IDH1-IN-6 Biochemical

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CATALOG #
AAA228226

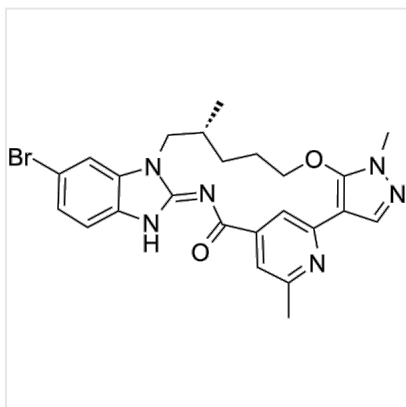
PRODUCT SYNONYMS

Mutant IDH1-IN-6; Mutant IDH1-IN-6 biochemical

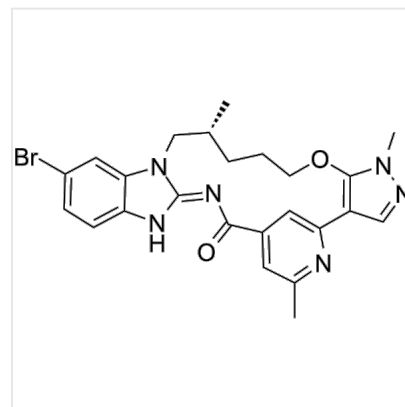
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2230263-60-0
Targets&IC50	IDH2 R172K:11.5 nM (IC50), IDH1 R132C:3.71 nM (IC50), IDH2 R140Q:36.9 nM (IC50), IDH1 R132H:6.27 nM (IC50), IDH2 wild-type:884 nM (IC50), IDH1 wild-type:105 nM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Mutant IDH1-IN-6 (Example 2; 0-32 mg/kg; oral gavage; twice daily; for 3 days) treatment inhibits of 2-hydroxyglutarate in a dose-dependent manner in IDH1 mutant xenograft mice[1]. Animal Model: Athymic nude mice (20-22 g) injected with TB08 cells[1]. Dosage: 1 mg/kg, 2 mg/kg, 4 mg/kg, 8mg/kg, 16 mg/kg, 32 mg/kg. Administration: Oral gavage; twice daily; for 3 days. Result: Inhibited of 2-hydroxyglutarate in IDH1 mutant xenograft mice.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
EGFR-IN-15, CAS 2573869-16-4



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ADDITIONAL INFORMATION

Related Product Information for Mutant IDH1-IN-6 biochemical	Mutant IDH1-IN-6 is a potent, selective and orally active mutant isocitrate dehydrogenase (IDH) inhibitor with IC 50 s of 6.27 nM, 3.71 nM, 36.9 nM and 11.5 nM for IDH1 R132H, IDH1 R132C, IDH2 R140Q and IDH2 R172K mutant enzymes, respectively. Mutant IDH1-IN-6 is less active at inhibiting the IDH wild-type enzymes.
References	1. Harald Engelhardt, et al. New macrocyclic compounds and derivatives as egfr inhibitors. WO2020260252A1.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/mutant-idh1-in-6/228226>