

BMS-986251 biochemical

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CATALOG #
AAA228457

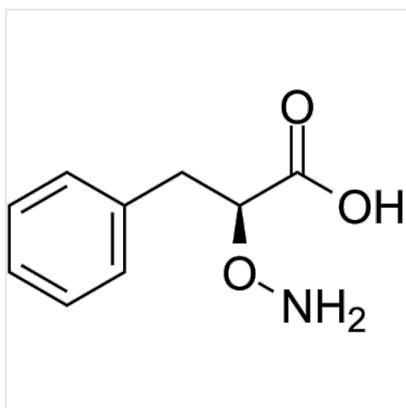
PRODUCT SYNONYMS

BMS-986251; BMS-986251 biochemical

PRODUCT SPECIFICATIONS

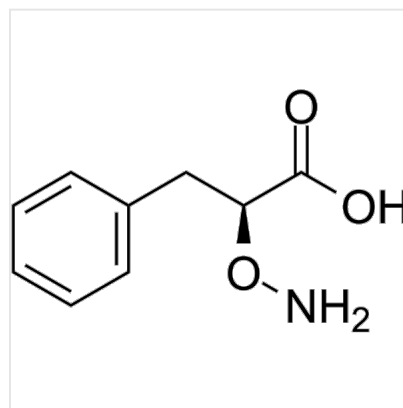
Purity/Purification	98%
CAS	2460133-35-9
Targets&IC50	RORbeta:10 uM (EC50), RORgammat:12 nM (EC50), IL-17:24 nM (EC50), RORalpha:10 uM (EC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	BMS-986251 (5-45 mg/kg; orally; twice daily until day 9) results in reduced ear thickness[1]. BMS-986251 (0.13, 0.79, 4.76 mg/kg; orally; once a day) displays a dose-dependent reduction of the IL-17F produced in naive C57BL/6 female mice (7-9 weeks)[1]. BMS-986251 (2 mg/kg of IV and 4 mg/kg of PO) has a T 1/2 of 7.7 hours, a CL of 2.7 mL/min/kg, and a V ss of 1.9 L/kg for IV in mouse[1]. Animal Model: C57BL/6 female mice with acanthosis[1]. Dosage: 5, 15, 45 mg/kg. Administration: Orally; twice daily until day 9. Result: Resulted in reduced ear thickness and significantly reduces imiquimod (IMQ)-induced skin thickening. Animal Model: Mouse or rat[1]. Dosage: 2 mg/kg of IV and 4 mg/kg of PO (Pharmacokinetic Analysis). Administration: IV or PO. Result: Had a T 1/2 of 7.7 hours, a CL of 2.7 mL/min/kg, and a V ss of 1.9 L/kg for IV in mouse. Had a C max of 4.8 uM and an AUC of 37 uM/h for PO in mouse. Had a T 1/2 of 11 hours, a CL of 1.3 mL/min/kg, and a V ss of 1.25 L/kg for IV in rat. Had a C max of 4.7 uM and an AUC of 64 uM/h for PO in rat.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

L-2-Aminoxy-3-phenylpropanoic acid, CAS 42990-62-5



Structure

L-2-Aminoxy-3-phenylpropanoic acid, CAS 42990-62-5

ADDITIONAL INFORMATION

Related Product Information for BMS-986251 biochemical	BMS-986251 is an orally active and selective RORgammat inverse agonist with an EC 50 of 12 nM for RORgammat GAL4. BMS-986251 inhibits IL-17 with an EC 50 of 24 nM in human whole blood assay. BMS-986251 demonstrates robust efficacy in mouse acanthosis and Imiquimod-induced (HY-B0180) models (preclinical models of psoriasis).
References	1. NikolausAmrhein, et al. alpha-aminooxy-beta-phenylpropionic acid — a potent inhibitor of L-phenylalanine ammonia-lyase in vitro and in vivo. Plant Science Letters Volume 8, Issue 4, April 1977, Pages 313-317.

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://stage.aaabiotech.com/biochemical/bms-986251/228457>