

BMS-604992 dihydrochloride Biochemical | BMS-604992 biochemical

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CATALOG #
AAA227742

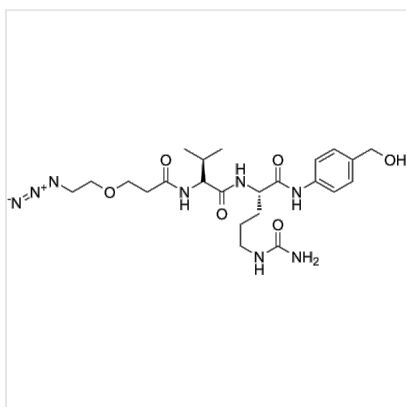
PRODUCT SYNONYMS

BMS-604992 dihydrochloride; BMS-604992 biochemical

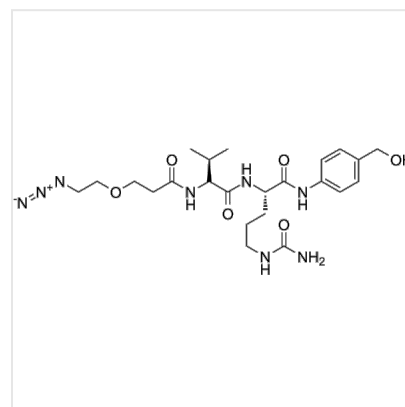
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1469750-46-6
Targets&IC50	GHSR:0.4 nM (EC50), GHSR:Ki: 2.3 nM
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	BMS-604992 (500 ug/kg; i.p.; 5 minutes) results in a significant increase in gastric emptying compared with vehicle-treated mice[1]. BMS-604992 (1~1000 mg/kg; p.o.; 1 hour) Shows a dose-linear increase in plasma concentrations at the 1 hour time point and elicits a dose-responsive increase in food intake relative to vehicle-treated controls, with a minimum effective dose of approximately 10 mg/kg[1]. BMS-604992 (300 mg/kg; p.o.; 5~20 minutes) produces a significant difference at the 5 minutes time point[1]. BMS-604992 (500 ug/kg; i.p.; 4 hours) increases food intake approximately 2-fold compared with vehicle-treated controls[1]. Animal Model: C57BL/6 mice Dosage: 500 ug/kg. Administration: I.p.; 5 minutes. Result: Resulted in a significant increase in gastric emptying compared with vehicle-treated mice. Animal Model: C57BL/6 mice Dosage: 1~1000 mg/kg. Administration: P.o.; 1 hour. Result: Showed a dose-linear increase in plasma concentrations at the 1 hour time point and elicited a dose-responsive increase in food intake relative to vehicle-treated controls, with a minimum effective dose of approximately 10 mg/kg. Animal Model: SD rat Dosage: 300 mg/kg. Administration: P.o.; 5~20 minutes. Result: Observed a significant difference at the 5 minutes time point. Animal Model: Male GhrR KO and WT mice Dosage: 500 ug/kg. Administration: I.p.; 4 hours. Result: Increased food intake approximately 2-fold compared with vehicle-treated controls.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES


Structure

Azide-PEG1-Val-Cit-PABC-OH, CAS 2055041-40-0


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Azide-PEG1-Val-Cit-PABC-OH, CAS 2055041-40-0

ADDITIONAL INFORMATION

Related Product Information for BMS-604992 biochemical	BMS-604992 (EX-1314) dihydrochloride is a selective, orally active small-molecule growth hormone secretagogue receptor (GHSR) agonist. BMS-604992 dihydrochloride demonstrates high-affinity binding ($K_i = 2.3$ nM) and potent functional activity ($EC_{50} = 0.4$ nM). BMS-604992 dihydrochloride can stimulate food intake in rodents.
References	1. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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-604992-dihydrochloride/227742>