

Sinbaglustat Biochemical

Sinbaglustat

CATALOG #
AAA228716

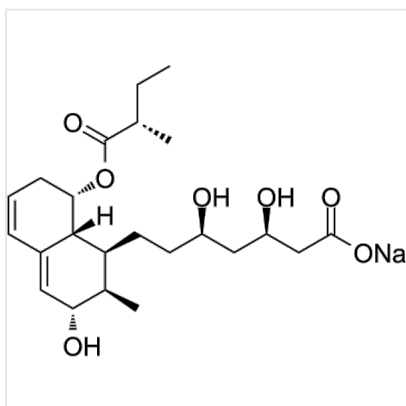
PRODUCT SYNONYMS

Sinbaglustat; Sinbaglustat biochemical

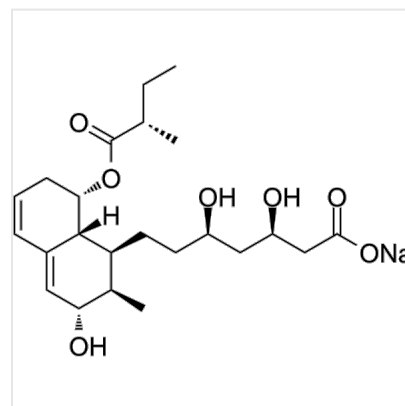
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	441061-33-2
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Sinbaglustat (OGT2378; administered p.o., in the powdered chow, at a dose of 2500 mg/kg/day, corresponding to 35-40 mg of Sinbaglustat per mouse per day) is highly effective in impeding melanoma tumor growth in vivo. The effectiveness of p.o. Sinbaglustat in this murine model suggests that inhibition of glycosphingolipid synthesis is a promising approach to inhibit tumor progression[1]. Animal Model: Female syngeneic C57BL/6 mice, 6-8 weeks old bearing MEB4 melanoma tumor[1]. Dosage: 35-40 mg per mouse per day. Administration: Administered p.o., in the powdered chow, at a dose of 2500 mg/kg/day. Result: Inhibited MEB4 melanoma tumor growth in a syngeneic, orthotopic murine model.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
3alpha-Hydroxy pravastatin sodium, CAS 81093-43-8



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ADDITIONAL INFORMATION

Related Product Information for Sinbaglustat biochemical

Sinbaglustat (OGT2378) is a dual inhibitor of glucosylceramide synthase (GCS) and non-lysosomal glucosyl ceramidase (GBA2). Sinbaglustat is an orally available N-alkyl iminosugar that crosses the blood-brain barrier. Sinbaglustat can be used for the research of central neurodegenerative diseases associated with lysosomal dysfunctions.

References

1. Zhang X, Vernikovskaya DI, Wang X, et al. Quantitative determination of pravastatin and its metabolite 3alpha-hydroxy pravastatin in plasma and urine of pregnant patients by LC-MS/MS. Biomed Chromatogr. 2016;30(4):548?554.
2. Shiomi M, et al. Pravastatin sodium, a competitive inhibitor of hepatic 3-hydroxy-3-methylglutaryl coenzyme A reductase, decreases the cholesterol content of newly secreted very-low-density lipoprotein in Watanabe heritable hyperlipidemic rabbits. Metabolism. 1994;43(5):559?564.

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/sinbaglustat/228716>