

Product Data Sheet

Product Name: Azalanstat HCl

Cat. No.: GB62224

Chemical Properties

Cas. No. 143484-82-6

SMILES NC1=CC=C(SC[C@H]2O[C@](CN3C=CN=C3)(CCC4=CC=C(Cl)C=C4)OC2)C=C1.[H]Cl.[H]Cl

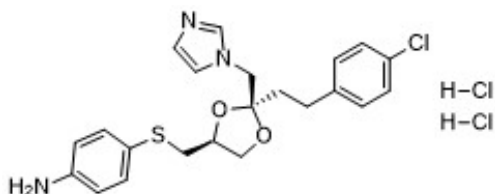
Formula $C_{22}H_{26}Cl_3N_3O_2S$ M.Wt 502.879

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Azalanstat is an anti-obesity drug acting as a lanosterol 14 α -demethylase inhibitor. Azalanstat has been shown to inhibit cholesterol synthesis in HepG2 cells, human fibroblasts, hamster hepatocytes and hamster liver, by inhibiting the cytochrome P450 enzyme lanosterol 14 alpha-demethylase. When administered orally to hamsters fed regular chow, RS-21607 (50 mg/kg/day) lowered serum cholesterol in a dose-dependent manner (ED50 = 62 mg/kg) in a period of 1 week. It preferentially lowered low density lipoprotein (LDL) cholesterol and apo B relative to high density lipoprotein (HDL) cholesterol and apo A-1.

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

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