Miglustat

Cat. No.: HY-17020
CAS No.: 72599-27-0
Molecular Formula: C₁₀H₂₁NO₄
Molecular Weight: 219.28
Target: Others
Pathway: Others
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description
Miglustat (OGT918) is an inhibitor of glucosylceramide synthase, primarily to treat Type I Gaucher disease (GD1). Target: Others Miglustat is an inhibitor of the ceramide-specific glycosyltransferase, which catalyzes the first step of glycosphingolipid biosynthesis and is currently approved for the oral treatment of type 1 GD [1]. Consumption of a standard high-fat breakfast within 30 minutes before administration of miglustat significantly reduced peak exposure but did not significantly affect the extent of systemic exposure to miglustat. The peak plasma concentration (C(max)) decreased by 36% on average following administration with food. Area under the plasma concentration-time curve (AUC(0-infinity)) showed a modest (14%) decrease with food, but the 90% confidence interval was within the acceptance limit of 80% to 125%. The median (min-max) time to C(max) (t(max)) was prolonged from 2.5 (1.0-4.0) hours in the fasted state to 4.5 (1.5-8.0) hours in the fed state, whereas the apparent terminal half-life was approximately 8 hours and not affected by food [2].

CUSTOMER VALIDATION

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REFERENCES


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

Tel: 609-228-6898  Fax: 609-228-5909  E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA