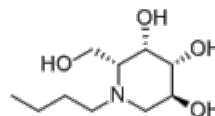


Product Name	: Lucerastat
Synonyms	: N-Butyldeoxygalactonojirimycin; ACT-434964; OGT-923
Cat No.	: M11715
CAS Number	: 141206-42-0
Molecular Formula	: C ₁₀ H ₂₁ NO ₄
Formula Weight	: 219.28
Chemical Name	: (2R,3S,4R,5S)-1-butyl-2-(hydroxymethyl)piperidine-3,4,5-triol
Description	: A galactose analogue that is an UDP-glucose ceramide glucosyltransferase (UGCG/GCS) inhibitor (IC ₅₀ =41.4 uM); prevents glucosylceramide biosynthesis both in vitro and in mouse models of lysosome storage disorders, without affecting α-glucosidase I and II or β-glucocerebrosidase (IC ₅₀ >1 mM); shows potential as substrate reduction therapy for glycolipid storage disorders such as Gaucher disease and Fabry disease. Other Indication Phase 1 Clinical
Pathway	: Others
Target	: Other Targets
Receptor	: Other Targets
Solubility	: —
SMILES	: <chem>O[C@H]1[C@@H](CO)N(CCCC)C[C@H](O)[C@H]1O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Platt FM, et al. J Biol Chem. 1994 Oct 28;269(43):27108-14. | 2. Andersson U, et al. Biochem Pharmacol. 2000 Apr 1;59(7):821-9. | 3. Kasperzyk JL, et al. J Neurochem. 2004 May;89(3):645-53.