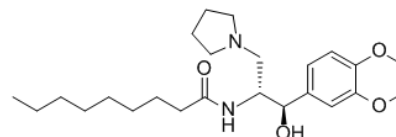


Product Name : Genz-123346 free base
Cat. No. : PC-43170
CAS No. : 491833-30-8
Molecular Formula : C₂₄H₃₈N₂O₄
Molecular Weight : 418.5695
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Genz-123346 is a potent, specific **glucosylceramide synthase** (GCS) inhibitor with IC₅₀ of 14 nM (GM1 inhibition), does not inhibit α-glucosidase or glucocerebrosidase and little effect on 1-O-acylceramide synthase activity.

Genz-123346 effectively inhibits GL1 synthase activity and does not significantly elevate cell ceramide levels in vitro, lowers glucose and A1C levels.

Genz-123346 improves glucose tolerance in the Zucker diabetic fatty rats.

Genz-123346 effectively inhibits cystogenesis in mouse models of polycystic kidney disease (PKD).

References

Zhao H, et al. *Diabetes*. 2007 May;56(5):1210-8.

Zhao H, et al. *Hepatology*. 2009 Jul;50(1):85-93.

Natoli TA, et al. *Nat Med*. 2010 Jul;16(7):788-92.

Chai L, et al. *Int J Oncol*. 2011 Mar;38(3):701-11.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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