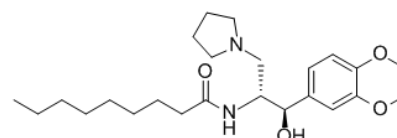


Product Name : Genz-123346 free base
Cat. No. : PC-43170
CAS No. : 491833-30-8
Molecular Formula : C₂₄H₃₈N₂O₄
Molecular Weight : 418.5695
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Genz-123346 is a potent, specific glucosylceramide synthase inhibitor with IC₅₀ of 14 nM (GM1 inhibition), does not inhibit α-glucosidase or glucocerebrosidase and little effect on 1-O-acylceramide synthase activity; effectively inhibits GL1 synthase activity and does not significantly elevate cell ceramide levels in vitro, lowers glucose and A1C levels, and improves glucose tolerance in the Zucker diabetic fatty rats; effectively inhibits cystogenesis in mouse models of polycystic kidney disease (PKD).

References

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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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