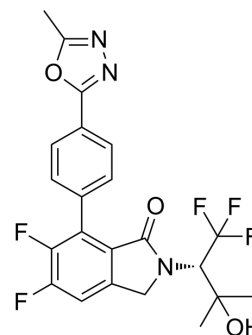


Glucosylceramide synthase-IN-4

Cat. No.:	HY-163131
CAS No.:	2776965-41-2
Molecular Formula:	C ₂₂ H ₁₈ F ₅ N ₃ O ₃
Molecular Weight:	467.39
Target:	Glucosylceramide Synthase (GCS)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Glucosylceramide synthase-IN-4 (compound 12) is a potent glucosylceramide synthase (GCS) inhibitor, with an IC₅₀ of 6.8 nM. Glucosylceramide synthase-IN-4 shows excellent PK properties and stability in human hepatocytes. Glucosylceramide synthase-IN-4 has good CNS penetration and acceptable PXR selectivity^[1].

REFERENCES

[1]. H. Marie Loughran, et al. Fluorinated Isoindolinone-Based Glucosylceramide Synthase Inhibitors with Low Human Dose Projections. *ACS Med. Chem. Lett.* 2024, 15, 1, 123-131.

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

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