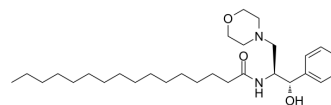


L-threo-PPMP

Cat. No.:	HY-115737
CAS No.:	207278-87-3
Molecular Formula:	C ₂₉ H ₅₀ N ₂ O ₃
Molecular Weight:	474.72
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	L-threo-PPMP is a GlcT (UDP-Glc: Ceramide β 1,1glucosyltransferase) inhibitor. L-threo-PPMP inhibits glycosphingolipid biosynthesis and induces apoptosis. L-threo-PPMP has anti-cancer activity ^[1] .
In Vitro	L-threo-PPMP (0.5-20 μ M) induces apoptosis in carcinoma (Colo-205; SKBR3) cells after 6 h and damaging DNA between 24 and 48 h after treatment ^[1] . L-threo-PPMP (1-16 μ M; 48 hours) includes Caspase-3 activation in breast cancer SKBR3 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Subhash Basu, et al. Apoptosis of human carcinoma cells in the presence of inhibitors of glycosphingolipid biosynthesis: I. Treatment of Colo-205 and SKBR3 cells with isomers of PDMP and PPMP. Glycoconj J. 2004;20(3):157-68.

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

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