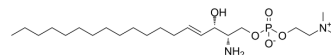


L-threo Lysosphingomyelin (d18:1)

Cat. No.:	HY-113934		
CAS No.:	105615-55-2		
Molecular Formula:	C ₂₃ H ₄₉ N ₂ O ₅ P		
Molecular Weight:	464.62		
Target:	LPL Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	L-threo Lysosphingomyelin (d18:1) (L-threo-Sphingosylphosphorylcholine) is an endogenous bioactive sphingolipid. L-threo Lysosphingomyelin (d18:1) is a potent S1P receptor agonist with EC ₅₀ s of 19.3, 131.8, and 313.3 nM for hS1P ₁ , hS1P ₃ , and hS1P ₂ , respectively ^[1] .		
IC₅₀ & Target	S1PR1 19.3 nM (EC50, human)	S1PR3 131.8 nM (EC50, human)	S1PR2 313.3 nM (EC50, human)

REFERENCES

[1]. Im DS, et al. Characterization of the human and mouse sphingosine 1-phosphate receptor, S1P5 (Edg-8): structure-activity relationship of sphingosine1-phosphate receptors. *Biochemistry*. 2001;40(46):14053-14060.

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

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