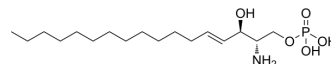


Sphingosine-1-phosphate (d17:1)

Cat. No.:	HY-141630		
CAS No.:	474923-27-8		
Molecular Formula:	C ₁₇ H ₃₆ NO ₅ P		
Molecular Weight:	365.45		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

0.3M NaOH : 4 mg/mL (10.95 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7364 mL	13.6818 mL	27.3635 mL
	5 mM	0.5473 mL	2.7364 mL	5.4727 mL
	10 mM	0.2736 mL	1.3682 mL	2.7364 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Sphingosine-1-phosphate d17:1 (D-erythro-Sphingosine-C17-1-phosphate) is a derivative of ceramide. Sphingosine-1-phosphate d17:1 can be used for the research of cancer^[1].

REFERENCES

[1]. Wang W, Xiang P, Chew WS, Torta F, Bandla A, Lopez V, Seow WL, Lam BWS, Chang JK, Wong P, Chayaburakul K, Ong WY, Wenk MR, Sundar R, Herr DR. Activation of sphingosine 1-phosphate receptor 2 attenuates chemotherapy-induced neuropathy. J Biol Chem. 2020 Jan 24;295(4):1143-1152.

[2]. Wang W, et al. Activation of sphingosine 1-phosphate receptor 2 attenuates chemotherapy-induced neuropathy. J Biol Chem. 2020 Jan 24;295(4):1143-1152.

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

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