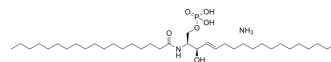


C18 Ceramide-1-phosphate (d18:1/18:0) (ammonium salt)

Cat. No.:	HY-160850
CAS No.:	384835-48-7
Molecular Formula:	C ₃₆ H ₇₅ N ₂ O ₆ P
Molecular Weight:	662.96
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

C18 Ceramide-1-phosphate (d18:1/18:0) (ammonium salt) is a specific type of long-chain molecule found in murine skin^[1]. C18 Ceramide-1-phosphate (d18:1/18:0) (ammonium salt) promotes migration of both mouse bone marrow-derived multipotent stromal cells and human umbilical vein endothelial cells at concentrations between 0.5-5 μ M. C18 Ceramide-1-phosphate (d18:1/18:0) (ammonium salt)'s levels are higher in CFPAC-1 pancreatic ductal adenocarcinoma cells than in pancreatic cancer stem cells^[2].

REFERENCES

[1]. Yamashita, R., et al. Analysis of molecular species profiles of ceramide-1-phosphate and sphingomyelin using MALDI-TOF mass spectrometry *Lipids* 51(2),263-270 (2016).

[2]. Kuc, N., et al. Pancreatic ductal adenocarcinoma cell secreted extracellular vesicles containing ceramide-1-phosphate promote pancreatic cancer stem cell motility *Biochem. Pharmacol.* 156,458-466 (2018).

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

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