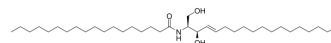


C18-Ceramide

Cat. No.:	HY-100355
CAS No.:	2304-81-6
Molecular Formula:	C ₃₆ H ₇₁ NO ₃
Molecular Weight:	565.95
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

C18-Ceramide can promote exocytosis of glutamate from damaged neurons. C18-Ceramide promotes cell death in glioma cells. Ceramides is involved in diverse cellular functions, such as differentiation, cell cycle progression, cell-cell adhesion, senescence, and apoptosis^[1].

REFERENCES

- [1]. Tang N, et al. Differential effects of ceramide species on exocytosis in rat PC12 cells. *Exp Brain Res*. 2007 Nov;183(2):241-7.
- [2]. Wang Z, et al. Overexpression of ceramide synthase 1 increases C18-ceramide and leads to lethal autophagy in human glioma. *Oncotarget*. 2017 Oct 23;8(61):104022-104036.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA