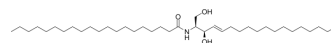


C20 Ceramide

Cat. No.:	HY-112016
CAS No.:	7344-02-7
Molecular Formula:	C ₃₈ H ₇₅ NO ₃
Molecular Weight:	594.01
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 5 mg/mL (8.42 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6835 mL	8.4174 mL	16.8347 mL
	5 mM	0.3367 mL	1.6835 mL	3.3669 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

C20 Ceramide is a natural 20:0 ceramide that is abundant in the brain^{[1][2]}.

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Cowart LA. Sphingolipids: players in the pathology of metabolic disease. Trends Endocrinol Metab. 2009 Jan;20(1):34-42.

[2]. Pewzner-Jung, Y., Ben-Dor, S., and Futerman, A.H. When do lassies (longevity assurance genes) become CerS (ceramide synthases)? The Journal of Biological Chemistry 281(35), 25001-25005 (2006).

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