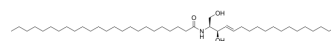


## C24-Ceramide

<b>Cat. No.:</b>	HY-134508		
<b>CAS No.:</b>	34435-05-7		
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>83</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	650.11		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMF : 12.5 mg/mL (19.23 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5382 mL	7.6910 mL	15.3820 mL
5 mM	0.3076 mL	1.5382 mL	3.0764 mL
10 mM	0.1538 mL	0.7691 mL	1.5382 mL

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

### BIOLOGICAL ACTIVITY

#### Description

C24-Ceramide is a sphingolipid that can be used for the lipid membranes composed. C24-Ceramide induces time-dependent changes in membrane properties. C24-Ceramide induces membrane reorganization<sup>[1][2]</sup>.

### REFERENCES

- [1]. Ventura AE, et al. Lipid domain formation and membrane shaping by C24-ceramide. *Biochim Biophys Acta Biomembr.* 2020 Oct 1;1862(10):183400.
- [2]. González-Ramírez EJ, et al. C24:0 and C24:1 sphingolipids in cholesterol-containing, five- and six-component lipid membranes. *Sci Rep.* 2020 Aug 24;10(1):14085.

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

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