

C8-Dihydroceramide, Negative control for C8-Ceramide

Catalog	Unit
TBI4467-1MG	1 mg
TBI4467-5MG	5 mg

Product Details

Formal Name: N-Octanoyl-D-erythro-dihydrosphingosine or N-((2S,3R)-1,3-dihydroxyoctadecan-2-yl)octanamide

Alternate Name: C8-dhCer

Molecular Formula: C₂₆H₅₃NO₃

Formula Weight: 427.7

CAS Number: 145774-33-0

Purity: >98%

Formulation: Powder

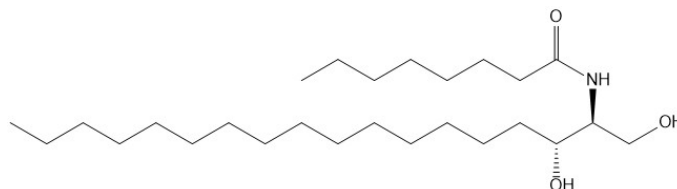
Solubility: Soluble in DMSO (5 mg/ml); DMF (25 mg/ml); EtOH (10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years

Applications

Negative control for C8-Ceramide



Functions

Cell permeable, saturated ceramide analog. Unlike C8-Cer it does not stimulate ceramide-activated protein kinase nor does it induce apoptosis, and therefore may be used as a negative control in experiments focused on the cellular activity of C8-ceramide. C8-dhCer is a substrate for dihydroceramide desaturase.

Application Procedures

First dissolved in DMSO (5 mg/ml), DMF (25 mg/ml), or EtOH (10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO, DMF, or EtOH may be stored at -20°C for up to 3 months.

For research use only.