

Product datasheet

C16 Ceramide (Palmitoyl ceramide), Endogenous ceramide ab141747

Overview

Product name	C16 Ceramide (Palmitoyl ceramide), Endogenous ceramide
Description	Endogenous ceramide
Biological description	Endogenous ceramide. Various pharmacological activities. Activates protein kinase and induces phosphorylation of EGFR. Activates NF-kappaB and induces apoptosis. Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 98%
CAS Number	24696-26-2
Chemical structure	

Properties

Chemical name	<i>N</i> -(1,3-Dihydroxyoctadec-4-en-2-yl)hexadecanamide
Molecular weight	537.90
Molecular formula	C ₃₄ H ₆₇ NO ₃
PubChem identifier	2498
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol with warming
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	CCCCCCCCCCCCCCCC(=O)NC(O)C(C=CCCCCCCCCCCCC)O
Source	Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team