Product datasheet

7,7-Dimethyleicosadienoic acid ab141544

Overview

Product name 7,7-Dimethyleicosadienoic acid
Description PLA₂ inhibitor. Arachadonic acid analog.
Biological description Phopholipase A₂ inhibitor (IC₅₀ = 16 μM). Inhibits COX and lipoxygenase pathways (IC₅₀ values are 56 and 14 μM respectively). Inhibits production of PGE₂ (IC₅₀ = 2 μM). Arachadonic acid analog (ab120916). Cell permeable.
Purity > 99%

Properties

Chemical name (5Z,8Z)-7,7-Dimethylcosa-5,8-dienoic acid
Molecular weight 336.60
Chemical structure

Molecular formula C₂₂H₄₀O₂
CAS Number 89560-01-0
PubChem identifier 5312331
Storage instructions Store at +4°C. The product can be stored for up to 12 months.
Solubility overview Soluble in ethanol
Handling 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.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES CCCCCCCCCCCC=CC(C)(C)C=CCCCCC(O)=O
Source Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, 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
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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Terms and conditions

- 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