7,7-Dimethyleicosadienoic acid, PLA2 inhibitor
ab141544

Overview

Product name: 7,7-Dimethyleicosadienoic acid, PLA2 inhibitor

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%

CAS Number: 89560-01-0

Chemical structure:

![Chemical structure](image)

Properties

Chemical name: (5Z,8Z)-7,7-Dimethylcosa-5,8-dienoic acid

Molecular weight: 336.60

Molecular formula: C22H40O2

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=CCCCC(=O)O

Source: Synthetic
Images

2D chemical structure image of ab141544, 7,7-Dimethyleicosadienoic acid, PLA2 inhibitor

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

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