Product datasheet

Palmitoyl-L-carnitine chloride, Protein kinase inhibitor
ab142334

Overview

Product name
Palmitoyl-L-carnitine chloride, Protein kinase inhibitor

Description
Protein kinase inhibitor

Biological description
Protein kinase inhibitor. Increases erythroid colony formation in vitro. Active in vivo and in vitro.

Purity
> 98%

CAS Number
18877-64-0

Chemical structure

![Chemical structure](image)

Properties

Chemical name
[(2R)-3-Carboxy-2-hexadecanoyloxypropyl]-trimethylazanium chloride

Molecular weight
436.10

Molecular formula
C_{23}H_{46}ClNO_{4}

PubChem identifier
167759

Storage instructions
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview
Soluble in water to 50 mM (with heating)

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
CCCCCCCCCCCCCCCCC(=O)OC(CC(=O)OC[N+]([C](C)C)Cl)

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
- 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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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
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