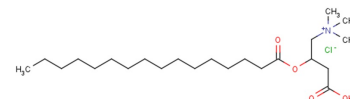


Palmitoylcarnitine chloride

Chemical Properties

CAS No.:	6865-14-1
Formula:	C ₂₃ H ₄₆ ClNO ₄
Molecular Weight:	436.07
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Palmitoylcarnitine chloride selectively decreases cell survival in colorectal and prostate cancer cells by affecting on pro-inflammatory pathways, Ca ²⁺ influx, and DHT-like effects.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.293 mL	11.466 mL	22.932 mL
5 mM	0.459 mL	2.293 mL	4.586 mL
10 mM	0.229 mL	1.147 mL	2.293 mL
50 mM	0.046 mL	0.229 mL	0.459 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Al-Bakheit A, et al. Accumulation of Palmitoylcarnitine and Its Effect on Pro-Inflammatory Pathways and Calcium Influx in Prostate Cancer. Prostate. 2016 Oct;76(14):1326-37.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481