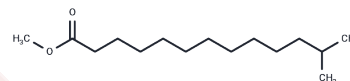


Methyl 12-methyltridecanoate

Chemical Properties

CAS No. :	5129-58-8
Formula:	C ₁₅ H ₃₀ O ₂
Molecular Weight:	242.4
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Methyl 12-methyltridecanoate ((R)-betaxolol hydrochloride), a biosurfactant derived from Brevibacterium casei LS14, enhances the biocompatibility of functionalized silver nanoparticles in vivo [1].
Targets(IC50)	Apoptosis, ROS Kinase
In vivo	Methyl 12-methyltridecanoate ((R)-betaxolol hydrochloride) (up to 100 µg/ml, 72 h) has been shown to decrease mortality, various physiological abnormalities, ROS-mediated oxidative stress, and apoptosis in zebrafish embryos caused by silver nanoparticles [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1254 mL	20.6271 mL	41.2541 mL
5 mM	0.8251 mL	4.1254 mL	8.2508 mL
10 mM	0.4125 mL	2.0627 mL	4.1254 mL
50 mM	0.0825 mL	0.4125 mL	0.8251 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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: 34 Washington Street, Wellesley Hills, MA 02481