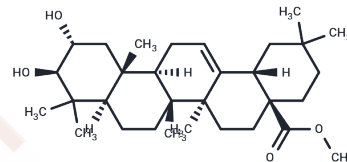


Methyl maslinatate

Chemical Properties

CAS No. :	22425-82-7
Formula:	C ₃₁ H ₅₀ O ₄
Molecular Weight:	486.73
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Methyl maslinatate (Maslinic acid methyl ester) is an antagonist of β - adrenergic receptor with cardiotoxic and antidysrhythmic properties. Methyl maslinatate can be used in studies about hypertension.
Targets(IC50)	Adrenergic Receptor
In vivo	Methyl maslinatate (20-60 mg/kg; i.p.) shows vasodepressor and sinus bradycardia effects in a dose-dependent manner. Methyl maslinatate lasts more than 60 min with a maximum of 20 min with potent hemodynamic effects[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0545 mL	10.2726 mL	20.5453 mL
5 mM	0.4109 mL	2.0545 mL	4.1091 mL
10 mM	0.2055 mL	1.0273 mL	2.0545 mL
50 mM	0.0411 mL	0.2055 mL	0.4109 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.

Reference

Somova LI, et al. Cardiotoxic and antidysrhythmic effects of oleanolic and ursolic acids, methyl maslinatate and uvaol. *Phytomedicine*. 2004 Feb;11(2-3):121-9.

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