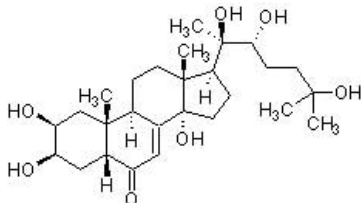


Product datasheet

20-Hydroxyecdysone (Ecdysterone), Steroid invertebrate hormone ab142425

[3 References](#) [1 Image](#)

Overview

Product name	20-Hydroxyecdysone (Ecdysterone), Steroid invertebrate hormone
Description	Steroid invertebrate hormone. Antioxidant and apoptotic agent.
Biological description	Steroid invertebrate hormone. Regulates molting, metamorphosis and reproduction in arthropods. Neuroprotective against oxidative stress in mammals. Inhibits NF-κB activation and iNOS expression. Antioxidant and apoptotic agent.
Purity	> 98%
CAS Number	5289-74-7
Chemical structure	

Properties

Chemical name	(2β,3β,5β,22R)-2,3,14,20,22,25-Hexahydroxycholest-7-en-6-one
Molecular weight	480.64
Molecular formula	C ₂₇ H ₄₄ O ₇
PubChem identifier	5459840
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 10 mM, in ethanol to 100 mM and in DMSO to 100 mM
Handling	<p>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.</p> <p>Toxic, refer to SDS for further information.</p>

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

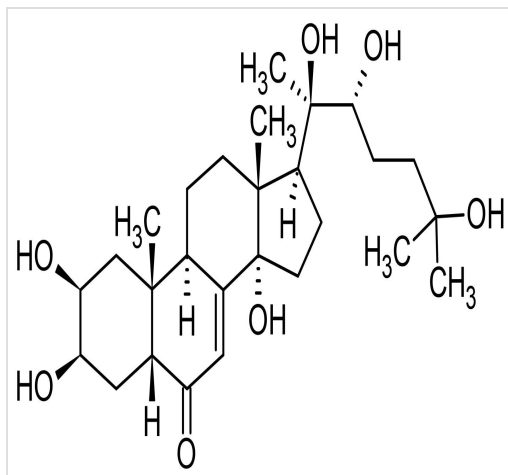
SMILES

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Source

Synthetic

Images



2D chemical structure image of ab142425, 20-Hydroxyecdysone (Ecdysterone), Steroid invertebrate hormone

Chemical Structure - 20-Hydroxyecdysone
(Ecdysterone), Steroid invertebrate hormone
(ab142425)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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