

$\delta$ -Amyrenone

## Chemical Properties

CAS No. : 20248-08-2

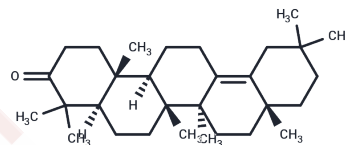
Formula: C<sub>30</sub>H<sub>48</sub>O

Molecular Weight: 424.7

Keep away from direct sunlight

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	$\delta$ -Amyrenone (Delta-Amyrone), isolated from <i>S. lineare</i> , has anti-inflammatory effects.
Targets(IC50)	Others
In vivo	Delta-starch dextrin (4 mg/kg and 8 mg/kg; intraperitoneal injection) inhibits lipopolysaccharide-induced inflammatory cytokines and protects mice from endotoxin shock.

## Solubility Information

Solubility	DMSO: Slightly soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3546 mL	11.773 mL	23.546 mL
5 mM	0.4709 mL	2.3546 mL	4.7092 mL
10 mM	0.2355 mL	1.1773 mL	2.3546 mL
50 mM	0.0471 mL	0.2355 mL	0.4709 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

Niu X, et al.  $\delta$ -Amyrone, a specific inhibitor of cyclooxygenase-2, exhibits anti-inflammatory effects in vitro and in vivo of mice. *Int Immunopharmacol.* 2014 Jul;21(1):112-8.

Niu X, et al.  $\delta$ -Amyrone inhibits lipopolysaccharide-induced inflammatory cytokines and protects against endotoxic shock in mice. *Chem Biol Interact.* 2015 Oct 5;240:354-61.

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