

Alpinone 3-acetate

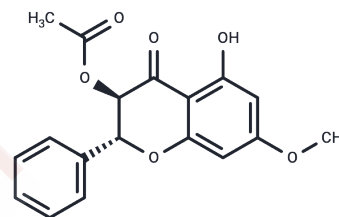
Chemical Properties

CAS No. : 139906-49-3

Formula: C₁₈H₁₆O₆

Molecular Weight: 328.32

Storage: Store at low temperature, Keep away from direct sunlight
 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	Alpinone 3-acetate showed anti-inflammatory effects and inhibited the inflammatory response in mouse ear edema models induced by 12-O-tetradecanophenol 13-acetate. Alpinone 3-acetate is a derivative of Alpinone. Alpinone is an active natural compound derived from sunflower with immunomodulatory and antiviral activities.
Targets(IC50)	IFNAR
In vivo	Alperisone 3-acetate has anti-inflammatory properties and inhibits the inflammatory response in a mouse ear edema model induced by 12- o -tetradecanol 13-acetate. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0458 mL	15.229 mL	30.4581 mL
5 mM	0.6092 mL	3.0458 mL	6.0916 mL
10 mM	0.3046 mL	1.5229 mL	3.0458 mL
50 mM	0.0609 mL	0.3046 mL	0.6092 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

Takegawa T, Miyazaki A, Yasukawa K. Anti-inflammatory effects of alpinone 3-acetate from *Alpinia japonica* seeds. *J Nat Med.* 2016;70(3):653-660.

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