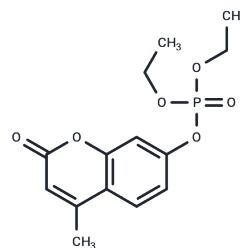


## Diethylumbelliferyl phosphate

## Chemical Properties

CAS No. :	897-83-6
Formula:	C <sub>14</sub> H <sub>17</sub> O <sub>6</sub> P
Molecular Weight:	312.25
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	Diethylumbelliferyl phosphate (DEUP) is a potent and selective inhibitor of cholesterol esterase that does not inhibit protein kinase A activity in vitro. It disrupts steroidogenesis by blocking cholesterol transport to mitochondria in steroidogenic cells, with an IC <sub>50</sub> of 11.6 μM. This compound may also limit the absorption of dietary cholesterol.
Targets(IC <sub>50</sub> )	Others,Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2026 mL	16.0128 mL	32.0256 mL
5 mM	0.6405 mL	3.2026 mL	6.4051 mL
10 mM	0.3203 mL	1.6013 mL	3.2026 mL
50 mM	0.0641 mL	0.3203 mL	0.6405 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

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