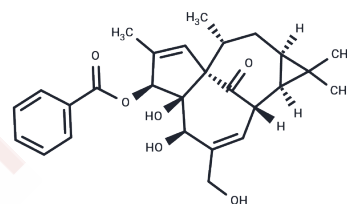


Ingenol 3-monobenzoate

Chemical Properties

CAS No. :	83036-64-0
Formula:	C ₂₇ H ₃₂ O ₆
Molecular Weight:	452.54
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	Ingenol 3-monobenzoate (Ingenol 3-benzoate) acts as an aversive inducing agent. It binds to and activates protein kinase C (PKC) with a K_i of 0.14 nM. This activation inhibits the gene expression of phosphoenolpyruvate carboxykinase, thereby suppressing gluconeogenesis and increasing blood cortisol levels, which results in food aversion.
Targets(IC50)	PKC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2097 mL	11.0487 mL	22.0975 mL
5 mM	0.4419 mL	2.2097 mL	4.4195 mL
10 mM	0.221 mL	1.1049 mL	2.2097 mL
50 mM	0.0442 mL	0.221 mL	0.4419 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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