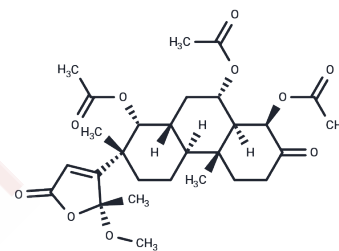


Tylogenin

Chemical Properties

CAS No. :	135247-46-0
Formula:	C ₂₈ H ₃₈ O ₁₀
Molecular Weight:	534.6
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	Tylogenin, a steroidal aglycone generated by acid hydrolysis from two seasonal glycosides occurring in <i>Tylophora sylvatica</i> , inhibits IgE-induced basophil mediator release for allergic reactions. In the rabbit basophil-dependent serotonin release (BDSR) assay system, the inhibitory activity of tylogenin was significantly greater than that of its parent glycosides, tylophoroside and acetyltylophoroside, and that of dexamethasone. The activity of tylogenin was found to increase with the incubation time. In the human leukocyte-dependent histamine release test model, the glycosides had only a minimal activity. In contrast, tylogenin, with a geom mean IC ₅₀ = 49 microM, exerted a significantly greater potency than dexamethasone. These results suggest that tylogenin could represent a new class of antiallergic agents.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8706 mL	9.3528 mL	18.7056 mL
5 mM	0.3741 mL	1.8706 mL	3.7411 mL
10 mM	0.1871 mL	0.9353 mL	1.8706 mL
50 mM	0.0374 mL	0.1871 mL	0.3741 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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