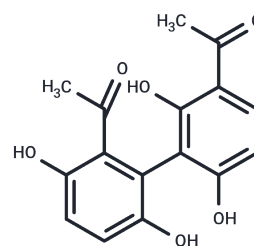


Cynandione A

Chemical Properties

CAS No. :	168706-29-4
Formula:	C ₁₆ H ₁₄ O ₆
Molecular Weight:	302.28
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	Cynandione A, an acetophenone derived from <i>Cynanchum wilfordii</i> , has anti-inflammatory activity and significantly reduces pro-inflammatory cytokine overexpression via macrophage $\alpha 7$ nAChR activation and subsequent IL-10 expression.
Targets(IC50)	Others,AChR,Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3082 mL	16.541 mL	33.0819 mL
5 mM	0.6616 mL	3.3082 mL	6.6164 mL
10 mM	0.3308 mL	1.6541 mL	3.3082 mL
50 mM	0.0662 mL	0.3308 mL	0.6616 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

Han QQ, et al. Cynandione A Alleviates Neuropathic Pain Through $\alpha 7$ -nAChR-Dependent IL-10/ β -Endorphin Signaling Complexes. *Front Pharmacol.* 2021 Jan 27;11:614450.

One-Pot Gram-Scale Synthesis of Cynandione A and Detailed Mechanistic Insights into its Regioselectivity

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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