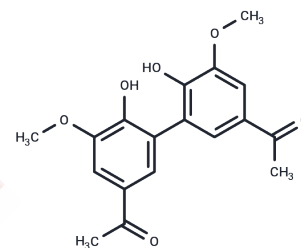


Diapocynin

Chemical Properties

CAS No. :	29799-22-2
Formula:	C ₁₈ H ₁₈ O ₆
Molecular Weight:	330.33
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	Diapocynin (Dehydrodiacetovanillone), a dimer of Apocynin, acts as an orally administered inhibitor of NADPH oxidase. It exhibits anti-inflammatory, neuroprotective, and antioxidant properties [1].
Targets(IC50)	Others,NADPH
In vivo	Diapocynin (300 mg/kg; orally; once every 12 hours for a duration of 72 hours) significantly attenuated motor deficits induced by DFP and reduced epileptiform spike activity within the first 72 hours post-DFP exposure. Furthermore, diapocynin markedly decreased DFP-induced reactive astrocytosis, neurodegeneration, GP91phox, glutathione levels, serum nitrate, and pro-inflammatory cytokines and chemokines such as interleukins (IL) IL-1 α , IL-6, IL-2, IL-17A, leptin, and IP-10 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0273 mL	15.1364 mL	30.2728 mL
5 mM	0.6055 mL	3.0273 mL	6.0546 mL
10 mM	0.3027 mL	1.5136 mL	3.0273 mL
50 mM	0.0605 mL	0.3027 mL	0.6055 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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