

Product Data Sheet

Product Name: Cynandione A

Cat. No.: GC82705

Chemical Properties

Cas. No. 168706-29-4

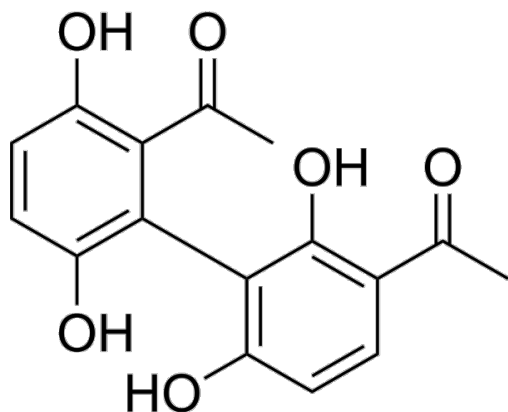
Formula $C_{16}H_{14}O_6$ M.Wt 302.28

Solubility DMSO: 40 mg/mL (132.33 mM; Need ultrasonic and warming) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Cynandione A is an acetophenone that can be isolated from *Cynanchum Wilfordii* Radix. Cynandione A protects hepatocytes and cortical neurons from toxicity and improves neurological deficits in a rat model of cerebral ischemia. On the other hand, cynandione A has significant anti-inflammatory effects and inhibits inflammation by activating macrophage $\alpha 7$ nAChR and IL-10 expression [1].

References:

[1]. Han Q Q, et al. Cynandione A and PHA-543613 inhibit inflammation and stimulate macrophageal

Caution: Product has not been fully validated for medical applications. For research use only.

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IL-10 expression following $\alpha 7$ nAChR activation[J]. Biochemical Pharmacology, 2021, 190: 114600.

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