

Product Data Sheet

Product Name: Ayanin
Cat. No.: GC60063

Chemical Properties

Cas. No. 572-32-7

SMILES O=C1C(OC)=C(C2=CC=C(OC)C(O)=C2)OC3=CC(OC)=CC(O)=C13

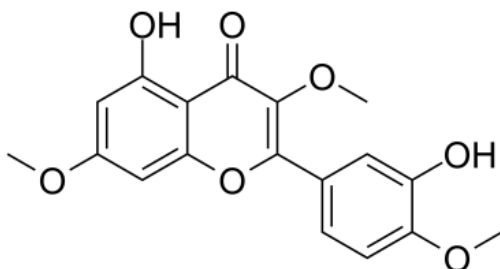
Formula $C_{18}H_{16}O_7$ M.Wt 344.32

Solubility DMSO : 250 mg/mL (726.07 mM; Need ultrasonic) Storage 4°C, protect from light

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

Ayanin is a bioflavonoid isolated from *Croton schiedeianus* Schlecht. Ayanin is a non-selective phosphodiesterase 1-4 inhibitor and can be used for the study of respiratory disease, such as allergic asthma et al[1].

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

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Ayanin inhibits interleukin (IL)-4 production from purified basophils with an IC₅₀ value of 2.2 μ M[1].

[1]. Fei-Peng Lee, et al. Ayanin, a Non-Selective Phosphodiesterase 1-4 Inhibitor, Effectively Suppresses Ovalbumin-Induced Airway Hyperresponsiveness Without Affecting xylazine/ketamine-induced Anesthesia. Eur J Pharmacol. 2010 Jun 10;635(1-3):198-203.

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