
Product Data Sheet

Product Name: 4-HydroxyLonchocarpin

Cat. No.: GC35132

Chemical Properties

Cas. No. 56083-03-5

SMILES O=C(C1=CC=C2C(C=CC(C)(C)O2)=C1O)/C=C/C3=CC=C(O)C=C3.[(E)]Formula C₂₀H₁₈O₄

M.Wt 322.35

Solubility DMSO : 50 mg/mL (155.11 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**

4-HydroxyLonchocarpin is a chalcone compound from an extract of *Psoralea corylifolia*. 4-HydroxyLonchocarpin increases phosphorylation of p38 MAPK, JNK and ERK. 4-HydroxyLonchocarpin has diverse pharmacological activities, including antibacterial, antifungal, anticancer, antireverse transcriptase, antitubercular, antimalarial, anti-inflammatory and antioxidant activities[1].

[1]. Lim J, et al. Antimelanogenic effect of 4-hydroxyLonchocarpin through the inhibition of tyrosinase-related proteins and MAPK phosphatase. *Exp Dermatol*. 2016 Jul;25(7):574-6.

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

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