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**Product Data Sheet**

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Product Name: Licoisoflavone B

Cat. No.: GC36452

**Chemical Properties**

Cas. No. 66056-30-2

SMILES OC1=C(C=CC(C)(C)O2)C2=CC=C1C3=COC4=CC(O)=CC(O)=C4C3=OFormula  $C_{20}H_{16}O_6$  M.Wt 352.34

Solubility DMSO : 50 mg/mL (141.91 mM; Need ultrasonic) 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**

Licoisoflavone B, an isoflavone, mainly derived from Glycyrrhiza uralensis Fisch.[1]. Licoisoflavone B inhibits lipid peroxidation with an IC<sub>50</sub> of 2.7 μM.

[1]. Li D, et al. The Application of Ultra-High-Performance Liquid Chromatography Coupled with a LTQ-Orbitrap Mass Technique to Reveal the Dynamic Accumulation of Secondary Metabolites in Licorice under ABA Stress. *Molecules*. 2017 Oct 20;22(10). pii: E1742. [2]. S. Toda, et al. Inhibitory Effects of Isoflavones in Sophora mooracrotiana on Lipid Peroxidation by Superoxide. *Pharmaceutical Biology*. 2002, 40 (6):422-424.

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

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