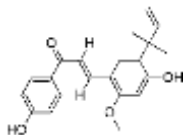


**PRODUCT: Licochalcone A****ALTERNATE NAMES:** (2E)-3-[5-(1,1-dimethyl-2-propen-1-yl)-4-hydroxy-2-methoxyphenyl]-1-(4-hydroxyphenyl)-2-propen-1-one**CATALOG NUMBER:** B1909-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>**MOLECULAR WEIGHT:** 338.39**CAS NUMBER:** 58749-22-7**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~10 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Licochalcone A is a natural chalcone isolated originally from roots and rhizomes of licorice (*Glycyrrhiza* spp.). It has anti-inflammatory properties, supporting its use as a skin lightening agent. Licochalcone A (10-50 μM) induces apoptosis and suppresses migration and invasion of cancer cells *in vitro*. Recently, Licochalcone A has been found to irreversibly inhibit CYP3A4 enzyme, a critical component of the cytochrome P450 (CYP) family.**REFERENCES:** He, W., *et al.* (2015). *Toxicol. In Vitro* **29**, 1569-1576.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**AMMC iodide (**2873**)  
Azamulin (**2915**)  
Quinidine Sulfate dehydrate (**2910**)  
Bromocryptine (mesylate) (**2916**)  
Cobicistat (**9474**)  
Lipochalcone A (**B1909**)  
PF-04981517 (**2917**)  
Quinidine Sulfate dehydrate (**2910**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**