

## Product Data Sheet

Product Name: Hesperidin methylchalcone

Cat. No.: GC60897

### Chemical Properties

Cas. No. 24292-52-2

SMILES COC1=C(C(/C=C/C2=CC(O)=C(OC)C=C2)=O)C(O)=CC(O[C@H](O3)[C@H](O)[C@@H](O)[C@H](O)[C@H]3CO[C@@H]4O[C@@H](C)[C@H](O)[C@@H](O)[C@H]4O)=C1

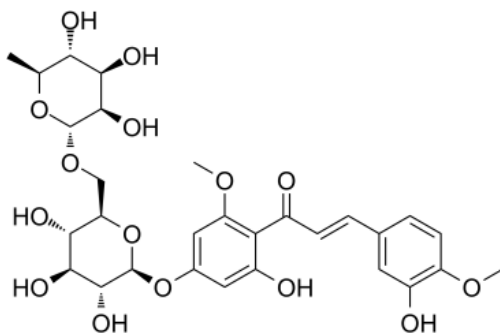
Formula  $C_{29}H_{36}O_{15}$  M.Wt 624.59

Solubility DMSO: 50 mg/mL (80.05 mM) 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

Hesperidin methylchalcone (Hesperidin methyl chalcone) inhibits oxidative stress, cytokine production and NF-κB activation. Hesperidin methylchalcone inhibits inflammation and pain. Hesperidin methylchalcone exhibits vasoprotective activity[1].

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

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[1]. Pinho-Ribeiro FA, et al. Protective effects of the flavonoid hesperidin methyl chalcone in inflammation and pain in mice: role of TRPV1, oxidative stress, cytokines and NF- $\kappa$ B. Chem Biol Interact. 2015 Feb 25;228:88-99.

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