

Product Data Sheet

Product Name: Sakuranetin

Cat. No.: GC34773

Chemical Properties

Cas. No. 2957-21-3

SMILES O=C1C2=C(O)C=C(OC)C=C2O[C@H](C3=CC=C(O)C=C3)C1

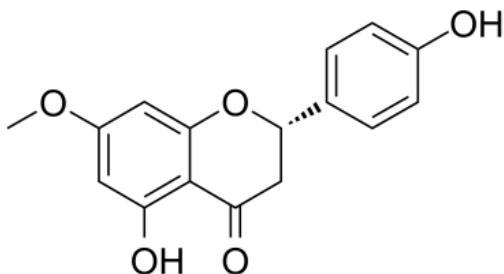
Formula $C_{16}H_{14}O_5$ M.Wt 286.28

Solubility DMSO : ≥ 125 mg/mL (436.64 mM) Storage Store at 2-8°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

Sakuranetin is a rice flavonoid phytoalexin, shows strong antifungal activity[1]. Sakuranetin has anti-inflammatory and antioxidative activities. Sakuranetin ameliorates LPS-induced acute lung injury[2].

[1]. Hasegawa M, et al. Analysis on blast fungus-responsive characters of a flavonoid phytoalexin sakuranetin; accumulation in infected rice leaves, antifungal activity and detoxification by fungus. *Molecules*. 2014 Aug 4;19(8):11404-18. [2]. Bittencourt-Mernak MI, et al. Prophylactic and therapeutic treatment with the flavonone sakuranetin ameliorates LPS-induced acute lung injury. *Am*

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

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J Physiol Lung Cell Mol Physiol. 2017 Feb 1;312(2):L217-L230.

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