
Product Data Sheet

Product Name: Mosloflavone

Cat. No.: GC39097

Chemical Properties

Cas. No. 740-33-0

SMILES O=C1C=C(C2=CC=CC=C2)OC3=CC(OC)=C(OC)C(O)=C13

Formula $C_{17}H_{14}O_5$ M.Wt 298.29

Solubility Soluble in DMSO 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

Mosloflavone is a flavonoid isolated from *Scutellaria baicalensis* Georgi with anti-EV71 activity. Mosloflavone inhibits VP2 virus replication and protein expression during the initial stage of virus infection and inhibits viral VP2 capsid protein synthesis.

Mosloflavone is a promising biocide and inhibits *P. aeruginosa* virulence and biofilm formation.

[1]. 2.Choi HJ, et al. Inhibitory Effects of Norwogonin, Oroxylin A, and Mosloflavone on Enterovirus 71. *Biomol Ther (Seoul)*. 2016 Sep 1;24(5):552-8. [2]. 2.Hnamte S, et al. Mosloflavone attenuates the quorum sensing controlled virulence phenotypes and biofilm formation in *Pseudomonas aeruginosa* PAO1: In vitro, in vivo and in silico approach. *Microb Pathog*. 2019 Jun;131:128-134. [3]. 4.Singh B, et al. Anti-inflammatory and immunomodulatory flavones from *Actinocarya tibetica* Benth. *Nat Prod Res*. 2013;27(23):2227-30.

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

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