
Product Data Sheet

Product Name: 3,4-O-Isopropylidene-shikimic acid

Cat. No.: GC61859

Chemical Properties

Cas. No. 183075-03-8

SMILES O=C(C1=C[C@@]2([H])OC(C)(C)O[C@@]2([H])[C@H](O)C1)OFormula C₁₀H₁₄O₅

M.Wt 214.22

Solubility DMSO : 100 mg/mL (466.81 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**

3,4-O-Isopropylidene-shikimic acid is a natural product that can be isolated from the whole plants of Hypericum wightianum. 3,4-O-Isopropylidene-shikimic acid has anti-inflammatory effect and antioxidant activities[1][2].

References:

[1]. Shu-Hong Tao, et al. Note: A New Flavone from Hypericum Wightianum. Journal of Asian Natural Products Research. 2004. 6(4), 307-310.

[2]. Jianfeng Xing, et al. Anti-inflammatory effect of 3,4-oxo-isopropylidene-shikimic acid on acetic acid-induced colitis in rats. Inflammation. 2012 Dec;35(6):1872-9.

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

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