

Product Data Sheet

Product Name: (2S)-2'-Methoxykurarinone

Cat. No.: GC34970

Chemical Properties

Cas. No. 270249-38-2

SMILES O=C1C[C@@H](C2=CC=C(O)C=C2OC)OC3=C(C[C@H](C(C)=C)C/C=C(C)\C)C(O)=CC(OC)=C13

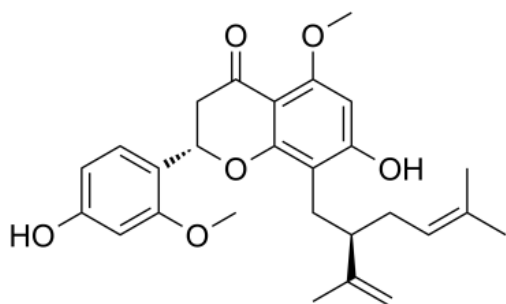
Formula $C_{27}H_{32}O_6$ M.Wt 452.54

Solubility DMSO : 25 mg/mL (55.24 mM; Need ultrasonic) Storage 4°C, protect from light

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

(2S)-2'-Methoxykurarinone, a compound isolated from the roots of *Sophora flavescens*, has anti-

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

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inflammatory, antipyretic, antidiabetic, and antineoplastic effects. (2S)-2'-Methoxykurarinone (MK) inhibits osteoclastogenesis and bone resorption through down-regulation of RANKL signaling. (2S)-2'-Methoxykurarinone (MK) displays cytotoxic activity against human myeloid leukemia HL-60 cells[1][2].

[1]. Kim JY, et al. (2S)-2'-Methoxykurarinone inhibits osteoclastogenesis and bone resorption through down-regulation of RANKL signaling. Biol Pharm Bull. 2014;37(2):255-61. [2]. Kang TH, et al. Cytotoxic lavandulyl flavanones from Sophora flavescens. J Nat Prod. 2000 May;63(5):680-1.

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