
Product Data Sheet

Product Name: Evodol
Cat. No.: GC38394

Chemical Properties

Cas. No. 22318-10-1

SMILES C[C@]12[C@@]3([C@@H]4O3)[C@]([C@H](C5=COC=C5)OC4=O)(CC[C@]1([H])[C@]67C(C(C)(C)O[C@@]6([H])CC(OC7)=O)=C(O)C2=O)C

Formula C₂₆H₂₈O₉ M.Wt 484.5

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

Evodol is a natural product isolated from the dried and nearly ripe fruits of *Euodia rutaecarpa*. Evodol shows inhibitory activity against NO production[1]. Evodol possesses larvicidal activity against the Asian tiger mosquitoes with a LC50 value of 32.43 µg/ml[2].

[1]. Yang XB, et al. Limonoid constituents of *Euodia rutaecarpa* var. *bodinieri* and their inhibition on NO production in lipopolysaccharide-activated RAW264.7 macrophages. *J Asian Nat Prod Res.* 2013;15(10):1130-8. [2]. Liu ZL, et al. Mosquito larvicidal activity of alkaloids and limonoids derived from *Euodia rutaecarpa* unripe fruits against *Aedes albopictus* (Diptera: Culicidae). *Parasitol Res.* 2012 Sep;111(3):991-6.

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

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