

Product Data Sheet

Product Name: Gypsogenic Acid

Cat. No.: GC49837

Chemical Properties

Cas. No. 5143-05-5

SMILES C[C@@]12C([C@@]3([H])[C@@](CC2)(CCC(C)(C3)C)C(O)=O)=CC[C@@]4([H])[C@]1(CC[C@]5([H])[C@@]4(CC[C@@H]([C@@]5(C)C(O)=O)O)C)C

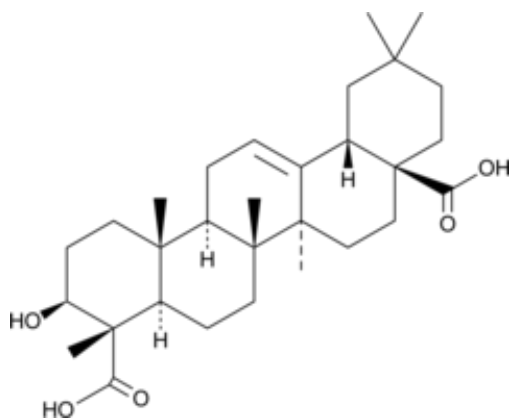
Formula C₃₀H₄₆O₅ M.Wt 486.7

Solubility DMSO: slightly soluble, Methanol: slightly soluble Storage -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

Gypsogenic acid is a triterpene acid that has been found in *M. stenostachya* and has antibacterial and trypanocidal activities.^{1,2} It is active against the oral bacterial pathogens *E. faecalis*, *S. salivarius*, *S. sanguinis*, *S. mitis*, *S. mutans*, and *S. sobrinus* (MICs = 50-200 µg/ml).¹ Gypsogenic acid induces lysis of *T. cruzi* in isolated mouse blood (IC₅₀ = 56.6 µM).²

1. Cunha, L.C.S., e Silva, M.L.A., Furtado, N.A.J.C., et al. Antibacterial activity of triterpene acids and

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

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semi-synthetic derivatives against oral pathogensZ. Naturforsch. C. J. Biosci.62(9-10)668-672(2007)
2.Cunha, W.R., Martins, C.H., da Silva, F., D., et al.In vitro trypanocidal activity of triterpenes from
Miconia speciesPlanta Med.69(5)470-472(2003)

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