

Product Data Sheet

Product Name: Roburic acid

Cat. No.: GC38151

Chemical Properties

Cas. No. 6812-81-3

SMILES C[C@](C1=CC2)(CC[C@]3(C)[C@@]1([H])[C@@H](C)[C@H](C)CC3)[C@@](CC[C@H]4C(C)=C)(C)[C@@]2([H])[C@@]4(C)CCC(O)=O

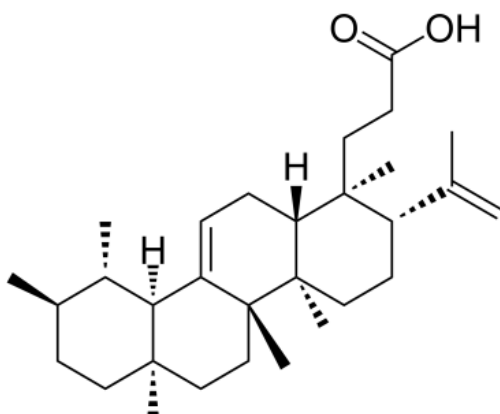
Formula $C_{30}H_{48}O_2$ M.Wt 440.7

Solubility DMSO : 33.33 mg/mL (75.63 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°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

Roburic acid, a tetracyclic triterpenoid found in *Gentiana macrophylla*, acts as an inhibitor of COX, with IC50s of 5 and 9 µM for COX-1 and COX-2, respectively[1].

[1]. Cao H, et al. Discovery of cyclooxygenase inhibitors from medicinal plants used to treat

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

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inflammation. Pharmacol Res. 2010 Jun;61(6):519-24.

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