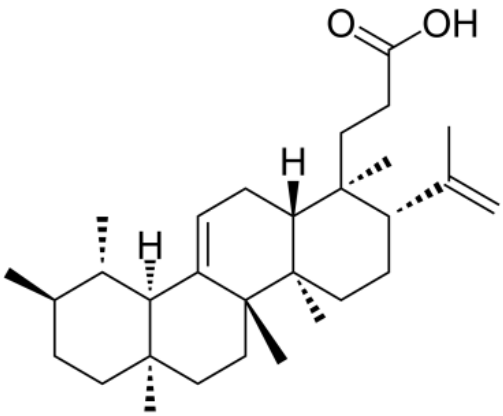
Product Data Sheet

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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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