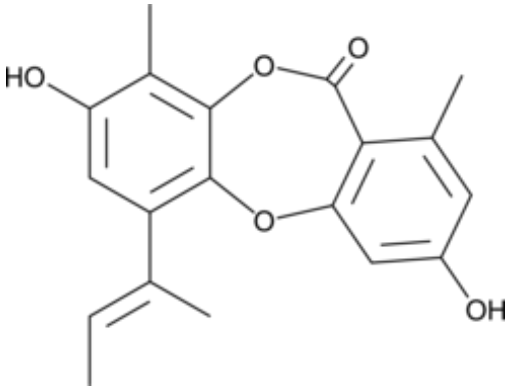
Product Data Sheet

Product Name: Unguinol
Cat. No.: GC45118

Chemical Properties

Cas. No.	36587-59-4		
SMILES	CC1=C2C(OC(C=C(O)C=C3C)=C3C(O2)=O)=C(/C(C)=C/C)C=C1O		
Formula	C19H18O5	M.Wt	326.3
Solubility	DMF: soluble,DMSO: soluble,Ethanol: soluble,Methanol: soluble	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

Product Data Sheet

Unguinol is a depsidone originally isolated from A. unguis. It is an inhibitor of pyruvate phosphate dikinase (PPDK; IC50 = 42.3 µM). It inhibits the growth of plants utilizing C4, but not C3, carbon fixation. Unguinol also inhibits the growth of the bacteria S. aureus and V. harveyi (GI50s = 8.7 and 69.5 µM, respectively) and H460, MCF-7, and SF-268 cancer cells (GI50s = 28.2, 50.8, and 44.3 µM, respectively).

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