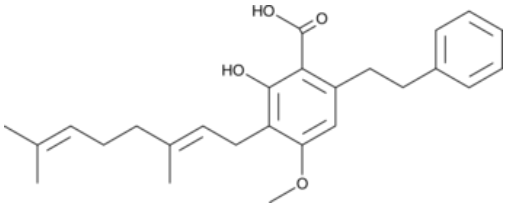
Product Data Sheet

Product Name: Amorfrutin B
Cat. No.: GC42791

Chemical Properties

Cas. No.	78916-42-4		
SMILES	OC(C(C(O)=C(C/C=C(C)/CC/C=C(C)/C)C(OC)=C1)=C1CCC2=CC=CC=C2)=O		
Formula	C26H32O4	M.Wt	408.5
Solubility	DMSO: soluble,Ethanol: 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

Amorfrutin B is a partial agonist of the peroxisome proliferator-activated receptor γ (PPARγ; Ki = 19 nM and EC50 = 73 nM) that was first isolated from A. fruticosa. It binds to PPARα and PPARβ/δ with Ki values of 2.6 and 1.7 μM, respectively. In insulin-resistant mice, 100 mg/kg/day amorfrutin B is reported to improve insulin sensitivity, glucose tolerance, and plasma lipid concentrations after two weeks of treatment.

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