

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

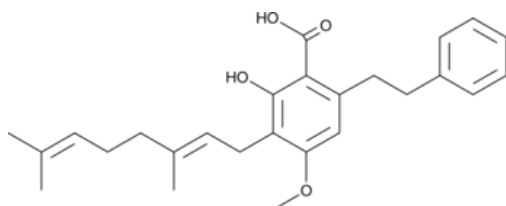
Solubility DMSO: soluble, Ethanol: soluble

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 (PPAR γ ; K_i = 19 nM and EC_{50} = 73 nM) that was first isolated from *A. fruticosa*. It binds to PPAR α and PPAR β/δ with K_i values of 2.6 and 1.7 μ M, 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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