

Product Data Sheet

Product Name: 16-Oxokahweol

Cat. No.: GC46452

Chemical Properties

Cas. No. 108664-99-9

SMILES O=C1[C@](C2)([H])CC[C@@]3([H])[C@]4(C)C=CC5=C(C=CO5)[C@@]4([H])CC[C@]32C1

Formula C₁₉H₂₂O₂

M.Wt 282.4

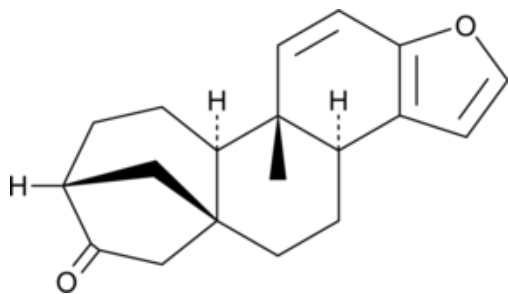
Solubility Water: soluble

Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

16-Oxokahweol is a synthetic diterpene and derivative of kahweol .¹ It increases cytosolic glutathione S-transferase (GST) activity and acid-soluble sulfhydryl levels in mouse liver and small bowel mucosa when administered at a dose of 10 µmol/animal once per day for three days.

1.Lam, L.K., Sparnins, V.L., and Wattenberg, L.W.Effects of derivatives of kahweol and cafestol on the activity of glutathione S-transferase in miceJ. Med. Chem.30(8)1399-1403(1987)

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

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