

Product Data Sheet

Product Name: Cucurbitacin D

Cat. No.: GC35757

Chemical Properties

Cas. No. 3877-86-9

SMILES C[C@@]([C@@](CC=C(C(C)1C)[C@@]2([H])C[C@H](O)C1=O)([H])[C@@]2(C)C3=O)(C[C@@H](O)[C@]4([H])[C@@](C)(O)C(/C=C/C(C)(O)C)=O)[C@@]4(C3)C

Formula C₃₀H₄₄O₇

M.Wt 516.67

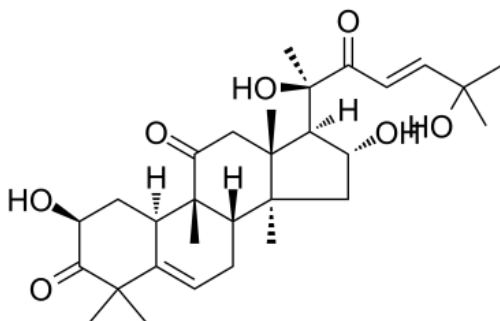
Solubility Soluble in DMSO

Storage 4°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

Cucurbitacin D is an active component in Cucurbita texana, disrupts interactions between Hsp90 and two co-chaperones, Cdc37 and p23. Cucurbitacin D prevents Hsp90 client (Her2, Raf, Cdk6, pAkt) maturation without induction of the heat shock response. Anti-cancer activity[1]. HSP90

[1]. Hall JA, et al. Cucurbitacin D Is a Disruptor of the HSP90 Chaperone Machinery. J Nat Prod. 2015 Apr 24;78(4):873-9.

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

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