
Product Data Sheet

Product Name: Caulophyllogenin

Cat. No.: GC60675

Chemical Properties

Cas. No. 52936-64-8

SMILES C[C@@]1(CO)[C@@H](O)CC[C@]2(C)[C@@]3([H])CC=C4[C@]5([H])CC(C)(C)CC[C@@](C(O)=O)5[C@H](O)C[C@](C)4[C@@](C)3CC[C@@]12[H]Formula C₃₀H₄₈O₅

M.Wt

488.7

Solubility DMSO:14mg/ml

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**

Caulophyllogenin is a triterpene saponin extracted from *M. polymorpha*. Caulophyllogenin is a partial PPAR γ agonist, with an EC₅₀ of 12.6 μ M. Caulophyllogenin can be used for the research of type-2 diabetes, obesity, metabolic syndrome and inflammation[1][2].

[1]. Montanari R, et, al. Screening of saponins and sapogenins from *Medicago* species as potential PPAR γ agonists and X-ray structure of the complex PPAR γ /caulophyllogenin. *Sci Rep.* 2016 Jun 10; 6:27658. [2]. Zhang Y, et, al. Studies on cytotoxic triterpene saponins from the leaves of *Aralia elata*. *Food Chem.* 2013 May 1;138(1):208-13.

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

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