
Product Data Sheet

Product Name: Ciwujianoside-B
 Cat. No.: GN10219

Chemical Properties

Cas. No. 114902-16-8

SMILES CC1CC(C(C(C1O)O)O)OC2C(C(COC2OC3CCC4(C(C3(C)C)CCC5(C4CC=C6C5(CCC7(C6CC(=C)CC7)C(=O)OC8C(C(C(C(O8)COC9C(C(C(

Formula C₅₈H₉₂O₂₅

M.

Solubility ≥ 12.96mg/mL in EtOH with ultrasonic

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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

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

Structure

Background

Ciwujianoside B is isolated from *Eleutherococcus senticosus* leaf, is able to penetrate and work in the brain after the oral administration. Ciwujianoside B significantly enhances object recognition memory[1]. Ciwujianoside B shows radioprotective effects on the hematopoietic system in mice, which is associated with changes in the cell cycle, reduces DNA damage and down-regulates the ratio of Bax/Bcl-2 in bone marrow cells exposed to radiation[2].

References:

- [1]. Yamauchi Y, et al. Memory Enhancement by Oral Administration of Extract of *Eleutherococcus senticosus* Leaves and Active Compounds Transferred in the Brain. *Nutrients*. 2019 May 22;11(5). pii: E1142.
- [2]. Li YR, et al. Comparative investigations on the protective effects of rhodioside, ciwujianoside-B and astragaloside IV on radiation injuries of the hematopoietic system in mice. *Phytother Res*. 2011 May;25(5):644-53.

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

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