

Ajugol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ajugol

Catalog No.: CFN90759

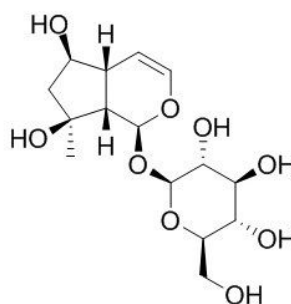
Cas No.: 52949-83-4

Purity: >=98%

M.F: C₁₅H₂₄O₉

M.W: 348.35

Physical Description: Powder



Synonyms:[(1S)-1,4a α ,5,6,7,7a α -Hexahydro-5 α ,7 α -dihydroxy-7-Methylcyclopenta [c]pyran-1-yl] β -D-glucopyranoside;beta-D-Glucopyranoside(1S,4aR,5R,7S,7aS)-1,4a,5,6,7,7a-hexahydro-5,7-dihydroxy-7-methylcyclopenta[c]pyran-1-yl.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The roots of *Rehmannia glutinosa*.

[Biological Activity or Inhibitors]

Ajugol shows some trypanocidal potential against *Trypanosoma brucei rhodesiense* (IC50 values 29.3-73.0 ug/ml).^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile - H₂O, gradient elution ;

Flow rate: 0.3 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 205 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Tasdemir D, Güner N D, Perozzo R, *et al. Phytochemistry*, 2005, 66(3):355-62.

[2] Taehyung W, Sungkwang R, Kang S S, *et al. Nat. Prod. Sci.*, 2010, 16(2):116-22.

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