

Ardisiacrispin A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ardisiacrispin A

Catalog No.: CFN90177

Cas No.: 23643-61-0

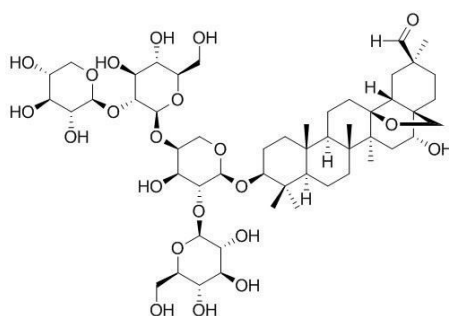
Purity: >=98%

M.F: C₅₂H₈₄O₂₂

M.W: 1061.21

Physical Description: White powder

Synonyms: Deglucocyclamin I; Saxifragifolin B.



[Intended Use]

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

[Source]

The herbs of *Ardisia crenata*.

[Biological Activity or Inhibitors]

Ardisiacrispin (A+B) is a mixture of ardisiacrispins A and B, derived from *Ardisia crenata*

with a fixed proportion (2:1), it has anticancer activity on human cancer cells, the (IC₅₀)s of ardisiacrispin (A+B) on proliferation of several human cancer cell lines are in the range of 0.9-6.5 microg/ml, in which Bel-7402 is the most sensitive cell line, suggests that ardisiacrispin (A+B) can inhibit the proliferation of Bel-7402 cells by inducing apoptosis and disassembling microtubule.^[1]

Ardisiacrispin(A+B) exhibits prominent abilities to inhibit the proliferation of HL-60 cells by blocking the cell cycle at S phase and inducing apoptosis.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

HPLC-ELSD

Mobile phase: Methanol -H₂O=25:75 ;

Flow rate: 1.0 ml/min;

Column temperature:Room Temperature;

Drift tube temperature: 95 °C;

Flow rate of gas : 2.5 SLPM/min;

Carrier gas: N₂.

[Storage]

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

[References]

[1] Li M, Wei S Y, Xu B, *et al.* *J. Asian Nat.Prod. Res.*, 2008, 10(7-8):729-36.

[2] Wei S Y, Li M, Liu D L, *et al.* *Chin. Pharm. Bull.*, 2007, 23(5):585-90.

[3] Wang Y, Tao L, Cui S, *et al.* *China Pharmacist*, 2014(5):782-5.

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