

Durantoside I Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Durantoside I

Catalog No.: CFN97726

Cas No.: 53526-67-3

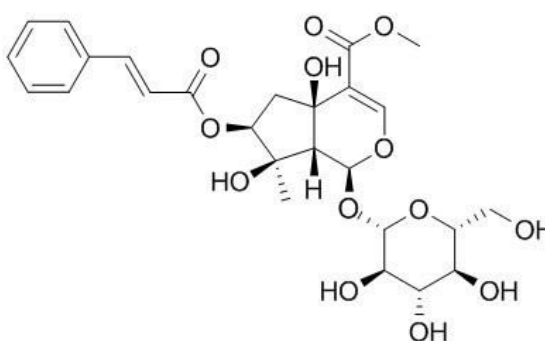
Purity: > 95%

M.F: C₂₆H₃₂O₁₃

M.W: 552.53

Physical Description: Powder

Synonyms: 2-Methyl-5,7-dihydroindeno[2,1-b]fluorene.



[Intended Use]

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

[Source]

The herbs of *Duranta repens*.

[Biological Activity or Inhibitors]

Durantoside I has inhibitory activity on the growth of lettuce seedling.^[1]

Durantoside I displays DPPH scavenging activity.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 6.5 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Ayeb-Zakhama A E, Beyaoui A, Salem S B, *et al. Industrial Crops & Products*, 2015, 76(1):653-9.

[2] Shankaraiah G, Tiwari A K, Kumar T V, *et al. J. Pharm. Res.*, 2013, 7(2):162-6.

[3] Takeda Y, Morimoto Y, Matsumoto T, *et al. Phytochemistry*, 1995, 39(4):829-33.

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