

Aristolactam BII Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Aristolactam BII

Catalog No.: CFN98903

Cas No.: 53948-09-7

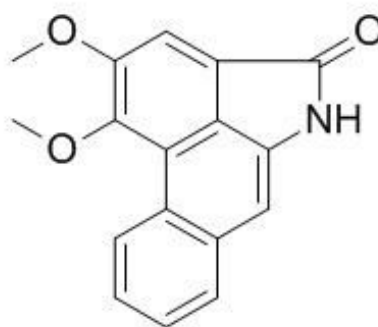
Purity: >=95%

M.F: C₁₇H₁₃NO₃

M.W: 279.3

Physical Description: Yellow powder

Synonyms: 1,2-Dimethoxydibenzo[cd,f]indol-4(5H)-one.



[Intended Use]

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

[Source]

The herbs of *Aristolochia debilis* Sieb. et Zucc.

[Biological Activity or Inhibitors]

Aristolactam BII exerts its significant neuroprotective effects on glutamate-injured primary

cultures of rat cortical cells by directly inhibiting the production of nitric oxide.^[1]

Aristolactam BII exhibits antimicrobial and antiinflammatory activity.^[2]

Aristolactam BII shows significant activity towards DPPH radical scavenging and potent inhibitory effects against tyrosinase mushroom.^[3]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[4]

Mobile phase: 0.01 M Sodium acetate(pH 5.0)-Acetonitrile,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Kim S R, Sung S H, Kang S Y, *et al. Planta Med.*, 2004 ,70(5):391-6.

[2] Odalo, J. O, Joseph, C. C, Nkunya, M. H. H, *et al. Nat.Prod. Commun.*, 2010, 5(2): 253-8.

[3] Wan M N H W S, Ahmad F, Yen K H. *J. Appl. Pharm. Sci.*, 2014, 4(5):87-91.

[4] Jou J H, Chen SS, Wu TS. *J. Liq.Chromatogr. R.T.*, 2003, 26(18):3057-68.

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