

Aristolochic acid D Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Aristolochic acid D

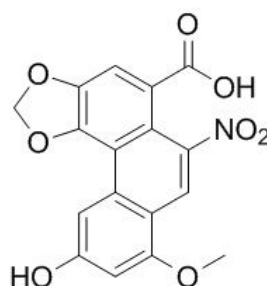
Catalog No.: CFN90783

Cas No.: 17413-38-6

Purity: >=98%

M.F: C₁₇H₁₁NO₈

M.W: 357.27



Physical Description: Powder

Synonyms: Aristolochic acid IVa;

10-Hydroxy-8-methoxy-6-nitrophenanthro[3,4-d]-1,3-dioxole-5-carboxylic acid.

[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]

Chinese-herb nephropathy (CHN) is a rapidly progressive renal fibrosis associated with the intake of a Chinese herb (*Aristolochia fangchi*) containing nephrotoxic and carcinogenic aristolochic acids .^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile- (1% Acetic acid - 30mM triethylamine (20:1) buffer), gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 250 nm.

[Storage]

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

[References]

[1] Debelle F D, Nortier J L, Prez E G D, *et al. J. Am. Soc. Nephro. Jasn*, 2002, 13(2): 431-6.

[2] Xu Y Q, Li X W, Liu G X, *et al. J. Nat. Med.*, 2013, 67(1):113-22.

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