

Crotonoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Crotonoside

Catalog No.: CFN99524

Cas No.: 1818-71-9

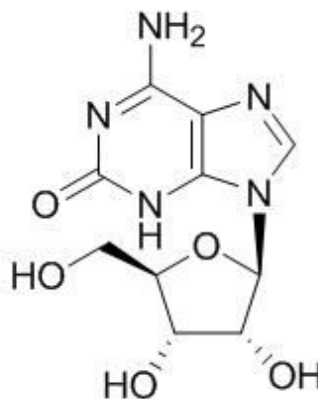
Purity: > 98%

M.F: C₁₀H₁₃N₅O₅

M.W: 283.24

Physical Description: White cryst.

Synonyms: 6-Amino-9-[(2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)-2-oxolanyl]-1H-purin-2-one.



[Intended Use]

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

[Source]

The seeds of *Croton tiglium* L.

[Biological Activity or Inhibitors]

2-Hydroxyadenosine (crotonoside) and 2-aminoadenosine are 2-Halogenated derivatives of adenosine, are potent depressors, and they are slightly less potent than adenosine. ^[1]

Crotonoside is one compound of an antitumor and immunity-regulating pharmaceutical composition of traditional Chinese medicine. ^[2]

[Solvent]

Pyridine, DMSO, Methanol, Ethanol, etc.

[HPLC Method] ^[3]

Mobile phase: Methanol- 0.2% Acetic acid H₂O, gradient elution ;

Flow rate: 0.8 ml/min;

Column temperature: 28 °C;

The wave length of determination: 292 nm.

[Storage]

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

[References]

[1] Phillis J W, Edstrom J P. *Life Sci.*, 1976, 19(7):1041-53.

[2] Zhou C, Zhou C X, Mao X. *World Intellectual Property Organization*. 2010-12-29 .

[3] Jin F, Ren Y Z, Chen Y L, *et al.* *Chinese Journal of Experimental Traditional*, 2013, 19 (02): 90-3.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

China

Tech Support: service@chemfaces.com