Natural Products

ChemFaces

Dracorhodin perchlorate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Dracorhodin perchlorate

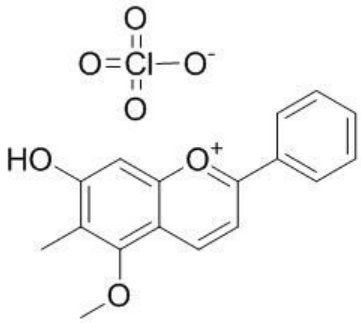
Catalog No.: CFN90486

Cas No.: 125536-25-6

Purity: >=98%

M.F: $C_{17}H_{15}ClO_7$

M.W: 366.75



Physical Description: Red powder

Synonyms: Methane,5-methoxy-6-methyl-2-phenylchromenylium-7-ol.

[Intended Use]

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

[Source]

The herbs of *Daemonorops draco Bl.*

[Biological Activity or Inhibitors]

Dracorhodin perchlorate can inhibit PI3K/Akt and NF-κB activation, up-regulate the

expression of p53, and enhance apoptosis in cancer cells [1]

Dracorhodin perchlorate alters the intracellular redox status, changes the balance of Bcl-X(L) and Bax protein expression, and induces apoptosis through caspase pathways in HeLa cells.[2]

Dracorhodin perchlorate can inhibit high glucose-induced connective tissue growth factor expression in human mesangial cells, and this may be its mechanism of prevention and treatment on renal fibrosis in diabetic nephropathy (DN). [3]

Dracorhodin perchlorate has been used as a medicine to treat chronic wounds, the effects of it on wound healing have association with the Ras/MAPK signaling pathway.[4]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method][5]

Mobile phase: Acetonitrile-0.05 M Sodium dihydrogen phosphate solution=37:63 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 ℃;

The wave length of determination: 440 nm.

[Storage]

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

[References]

[1] Rasul A, Ding C, Li X,*et al. Apoptosis, 2012, 17(10):1104-19.*

[2] Xia M, Wang D, Wang M, *et al. J. Pharmacol.Sci., 2004, 95(2):273-83.*

[3] Wang Y H, Wang Q S, Liu J G, *et al. Zhongguo Zhong yao za zhi, 2009, 34(7):896-9.*

[4] Li F, Jiang T, Liu W, *et al. Mol. Med. Rep., 2016, 14(2):1667-72.*

[5] He Y, Ding N, Wang R Z, *et al. Journal of Chinese Pharmaceutical Sciences, 2015,*

50(2):120-4.

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