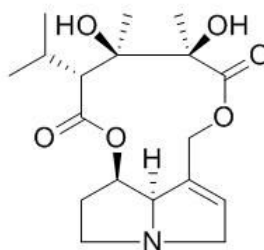


Trichodesmine Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Trichodesmine**Catalog No.:** CFN00433**Cas No.:** 548-90-3**Purity:** > 95%**M.F:** C₁₈H₂₇NO₆**M.W:** 353.41**Physical Description:** Powder**Synonyms:** (3S,4R,5R,13aR,13bR)-4,5-dihydroxy-4,5-dimethyl-3-(propan-2-yl)-4,5,8,10,12,13,13a,13b-octahydro-2H-[1,6]dioxacycloundecino[2,3,4-gh]pyrrolizine-2,6(3H)-dione.**[Intended Use]**

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

[Source]The herbs of *Crotalaria rubiginosa* Willd.**[Biological Activity or Inhibitors]**

Trichodesmine is a hepatotoxic and neurotoxic alkaloid.^[1]

[Solvent]

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

[HPLC Method]^[2]

HPLC-MS:

Mobile phase: Acetonitrile- Aqueous 0.05% trifluoroacetic acid/ 0.5% cetic acid ,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

Capillary temperature : 275°C;

Capillary voltage :46 V;

Source voltage : 4.5 kV;

Source current : 80 μA;

Ratio of sheath and auxiliary gas flows: 60:10.

[Storage]

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

[References]

[1] Yan C C, Huxtable R J. *Toxicon*, 1995, 33(5):627-34.

[2] Colegate S M, Gardner D R, Joy R J, et al. *J. Agr. Food Chem.*, 2012, 60(14):3541-50.

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