

Catharanthine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Catharanthine

Catalog No.: CFN99765

Cas No.: 2468-21-5

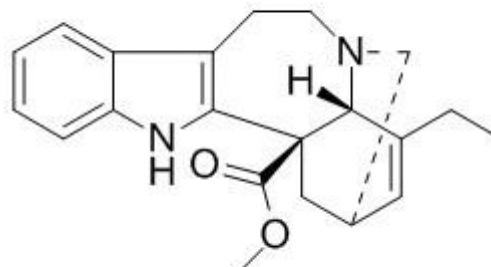
Purity: >=98%

M.F: C₂₁H₂₄N₂O₂

M.W: 336.43

Physical Description: White powder

Synonyms: Methyl (5beta,18beta)-3,4-didehydroibogamine-18-carboxylate.



[Intended Use]

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

[Source]

The herbs of *Catharanthus roseus* (L.) G.Don.

[Biological Activity or Inhibitors]

Catharanthine alkaloids are noncompetitive inhibitors of muscle-type nicotinic

acetylcholine receptors.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-0.1M Phosphate buffer containing 0.5% glacial acetic acid=21:79 ;

Flow rate: 1.2 ml/min ;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Moaddel. *Biophys. J.*, 2011, 100(3):548a-548a.

[2] Gupta M M, Singh D V, Tripathi A K, *et al. J.Chromatogr. Sci.*, 2005, 43(9):450-3.

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