

Vindorosine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Vindorosine

Catalog No.: CFN98853

Cas No.: 5231-60-7

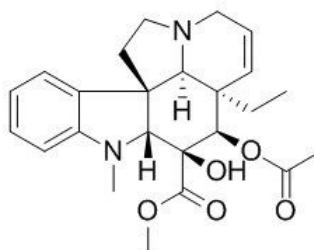
Purity: > 95%

M.F: C₂₄H₃₀N₂O₅

M.W: 426.5

Physical Description: Powder

Synonyms: (2 β , 5 α , 12 β , 19 α)-4 β -(Acetyloxy)-6,7-didehydro-3 β -hydroxy-1-methylaspidospermidine-3-carboxylic acid methyl ester;
Demethoxyvindoline; Vindolidin; Vindolidine; Vindorosin.



[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]

Vindorosine has blood vessel relaxation, the possible underlying mechanisms involving the inhibition of Ca(2+) entry via L-type Ca(2+) channels in vascular smooth muscles.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Cyclohexane- Ethyl acetate, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 211nm.

[Storage]

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

[References]

[1] Wu X L, Cheang W S, Zhang D M, *et al. Planta Med.*, 2014, 80(18):1672-7.

[2] Zhong X Z, Wang G C, Ying W, *et al. Acta Pharmaceut. Sin.*, 2010, 45(4):471-4.

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