

Vincristine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Vincristine

Catalog No.: CFN98589

Cas No.: 57-22-7

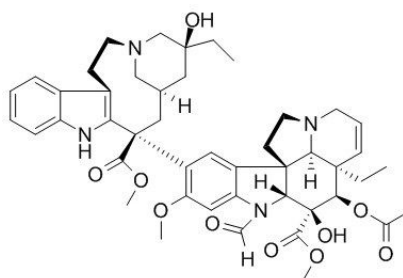
Purity: >=98%

M.F: C₄₆H₅₆N₄O₁₀

M.W: 824.96

Physical Description: Powder

Synonyms: Vincal leukoblastine, 22-oxo-;Leucristine;Leurocristine (7Cl, 8Cl).



[Intended Use]

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

[Source]

The herbs of *Hedera nepalensis*.

[Biological Activity or Inhibitors]

A noncytotoxic dose of verapamil, a coronary vasodilator, can enhance the cytotoxicity of

vincristine (VCR) and vinblastine in P388 leukemia and its VCR-resistant subline, P388/VCR.^[1]

High-dose vincristine sulfate liposome injection could be used for advanced, relapsed, and refractory adult philadelphia chromosome–negative acute lymphoblastic leukemia.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 0.1% Potassium dihydrogenphosphate solution (pH adjusted to 6.0 with H₃PO₄)- Acetonitrile=85:15

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 297 nm.

[Storage]

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

[References]

[1] Tsuruo T, Iida H, Tsukagoshi S, *et al. Cancer Res.*, 1981, 41(5):1967-72.

[2] O'Brien S, Schiller G, Lister J, *et al. J. Clin. Oncol.*, 2013, 31(6):676-83.

[3] Gholamhosseinpour Z, Hemati K, Dorodian H, *et al. Plant Sciences Research*, 2011, 3(2):4-9.

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