

Homoharringtonine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Homoharringtonine

Catalog No.: CFN98110

Cas No.: 26833-87-4

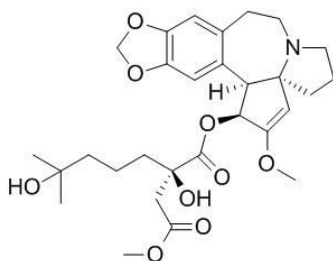
Purity: >=98%

M.F: C₂₉H₃₉NO₉

M.W: 545.61

Physical Description: Cryst.

Synonyms: 1-((1S,3aR,14bS)-2-Methoxy-1,5,6,8,9,14b-hexahydro-4H-cyclopenta(a)(1,3)dioxolo(4,5-h)pyrrolo(2,1-b)(3)benzazepin-1-yl)-4-methyl(2R)-2-hydroxy-2-(4-hydroxy-4-methylpentyl)butanedioate; Omacetaxine mepesuccinate.



[Intended Use]

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

[Source]

The branch of *Cephalotaxus fortunei* Hook.f.

[Biological Activity or Inhibitors]

Homoharringtonine (HHT) is a plant alkaloid with antileukemia activity that is currently being used for treatment of acute, chronic leukemias and MDS; HHT mediates myeloid cell apoptosis via upregulation of pro-apoptotic bax and inducing caspase-3-mediated cleavage of poly(ADP-ribose) polymerase (PARP).^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.08 M NH₄OAc solution- Methanol =55: 45 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 291 nm.

[Storage]

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

[References]

[1] Lou Y J, Jin J, Xu W L, *et al. Am. J. Hematol.* 2004, 76(3):199-204.

[2] Li H, Hu W B, Li Y N, *et al. Physical Testing & Chemical Analysis*, 2009, 45(4):465-6.

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