



Product Information

Product ID H5750

CAS No. 26833-87-4

Chemical Name

Synonym

Formula $C_{29}H_{39}NO_9$

Formula Wt. 545.62

Melting Point 143-145°C

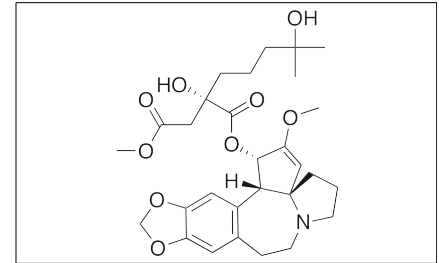
Purity $\geq 97\%$

Solubility Soluble in DMSO (50 mg/mL), ethanol (25 mg/mL). Slightly soluble in chloroform, methanol.

Store Temp -20°C

Ship Temp Ambient

Description Homoharringtonine is an alkaloid found in *Cephalotaxus* that binds the A site of the 60 S ribosomal subunit, preventing aminoacyl-tRNA binding, inhibiting protein translation, and inducing cell death; it exhibits anticancer chemotherapeutic and immunosuppressive activities. Homoharringtonine is clinically used to treat chronic myelogenous leukemia (CML) and is currently in clinical trials as a potential treatment for acute myelogenous leukemia (AML) and myelodysplastic syndrome. In clinical subjects, homoharringtonine decreases the number of CD34+, CD117+ cells.



Bulk quantities available upon request

Product ID	Size
H5750	1 mg
H5750	5 mg
H5750	10 mg

References Gandhi V, Plunkett W, Cortes JE. Omacetaxine: a protein translation inhibitor for treatment of chronic myelogenous leukemia. *Clin Cancer Res.* 2014 Apr 1;20(7):1735-40. PMID: 24501394.

Daver N, Vega-Ruiz A, Kantarjian HM, et al. A phase II open-label study of the intravenous administration of homoharringtonine in the treatment of myelodysplastic syndrome. *Eur J Cancer Care (Engl).* 2013 Sep;22(5):605-11. PMID: 23701251.

Li YF, Deng Z, Din BH, et al. Effect of homoharringtonine on bone marrow CD34 + CD117 + cells in patients with chronic myelogenous leukemia. *Leuk Lymphoma.* 2012 May;53(5):934-9. PMID: 22054289.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.