[ Product Information ]

Name: Pseudolycorine
Catalog No.: CFN98548
Cas No.: 29429-03-6
Purity: >=98%
M.F: C_{16}H_{19}NO_4
M.W: 289.33
Physical Description: Powder

Synonyms: (1alpha,2beta)-9-Methoxy-3,12-didehydrogalanthan-1,2,10-triol;1H-pyrrolo[3,2,1-de]phenanthridine-1,2,10-triol,2,4,5,7,11b,11c-hexahydro-9-methoxy-(1S,2S,11bS,11cS)-.

[ Intended Use ]

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

[ Source ]

The bulbus of *Lycoris radiata* (L. Herit.) Herb.
[ Biological Activity or Inhibitors]
Pseudolycorine can halt HeLa cell growth at $10^{-1}$ mM or lower concentrations, it at its growth inhibitory concentrations blocks protein synthesis in ascites cells and stabilize HeLa cell polysomes in vivo.\[^{[1]}\]
Pseudolycorine exhibits cytotoxic profiles against cancer cell lines.\[^{[2]}\]
Pseudolycorine and haemanthamine show good activity in in vitro assays against *Trypanosoma brucei rhodesiense*, *T. cruzi* and *Plasmodium falciparum* with IC\(_{50}\) values in the range of 3.66 uM or lower. \[^{[3]}\]
Pseudolycorine, primarily studied as a new antiviral agent derived from the screening of medicinal plants of the Pacific area, has been shown to exert a superior prolongation effect on the life span of established Rauscher leukemic mice having palpable splenomegaly, in comparison with standard antileukemic drugs, it also shows remarkable antileukemic activity.\[^{[4]}\]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ]\[^{[5]}\]
Mobile phase: 1% Aqueous ammonium acetate solution(pH 5.8)-Acetonitrile, gradient elution;
Flow rate: 1.5 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 280 nm.

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

[ References ]


[Contact]

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