[ Product Information ]

Name: Dehydroabietic acid
Catalog No.: CFN99822
Cas No.: 1740-19-8
Purity: > 98%
M.F: C20H28O2
M.W: 300.4

Physical Description: Oil
Synonyms: (1R,4aS,10aR)-1,4a-dimethyl-7-propan-2-yl-2,3,4,9,10,10a-hexahydrophenanthrene-1-carboxylic acid.

[ Intended Use ]

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

[ Source ]

The barks of Pinus yunnanensis.
[ Biological Activity or Inhibitors]

Dehydroabietic acid (DHAA), a major poison to fishes in pulp and paper mill effluents, has toxicological and physiological effects, 20 μg l⁻¹ is close to the “minimum effective concentration” of DHAA to rainbow trout.¹

Dehydroabietic acid derivatives have been reported to display antisecretory and antipepsin effect in animal models, have gastroprotective activity in the HCl/EtOH-induced gastric lesions in mice as well as for cytotoxicity in human lung fibroblasts (MRC-5) and human epithelial gastric (AGS) cells.²

Dehydroabietic acid derivatives have antiulcer activity.³

[ Solvent ]

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

[ HPLC Method ]⁴

Mobile phase: Methanol- 0.05% Acetic acid H2O =83:17;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 238 nm.

[ Storage ]

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

[ References ]

Contact

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