[ Product Information ]

Name: 3alpha-Akebonoic acid
Catalog No.: CFN90067
Cas No.: 104777-61-9
Purity: > 95%
M.F: C_{29}H_{44}O_3
M.W: 440.7

Physical Description: Powder

Synonyms: (4aS,6aS,6bR,8aR,10R,12aR,12bR,14bS)-10-Hydroxy-6a,6b,9,9,12a-pentamethyl-2-methylene-1,3,4,5,6a,6b,7,8,8a,9,10,11,12,12a,12b,13,14b-octadecahydro-4a(2H)-picenecarboxylic acid.

[ Intended Use ]

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

[ Source ]

The herbs of *Akebia trifoliata*.
[ Biological Activity or Inhibitors]

3α-Akebonoic acid shows interesting in vitro growth inhibitory activity against human tumor A549 and HeLa cell lines, it also shows significant in vitro α-glucosidase inhibitory activity.[1]

3-α-Akebonoic acid can interfere with presenilin-1 (PS1)/ β-site APP-cleaving enzyme 1 (BACE1) interaction and reduces Aβ production, the chemical interference of PS1/BACE1 interaction is a promising strategy for Alzheimer’s disease therapeutics.[2]

[ Solvent ]

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

[ HPLC Method ]

Not data available.

[ Storage ]

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

[ References ]


[ Contact ]

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