

Valepotriate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Valepotriate

Catalog No.: CFN90205

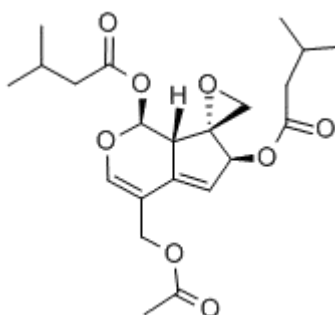
Cas No.: 18296-44-1

Purity: >=98%

M.F: C₂₂H₃₀NO₈

M.W: 422.47

Physical Description: Oil



Synonyms:[(1S,6S,7aS)-4-(Acetyloxymethyl)-1-(3-methylbutanoyloxy)spiro[6,7a-dihydro-1H-cyclopenta[c]pyran-7,2'-oxirane]-6-yl]3-methylbutanoate; Valtrate;

(1S,7R)-4-Acetoxymethyl-6,7a α -dihydrospiro[cyclopenta[c]pyran-7(1H),2'-oxirane]-1 α ,6 α -diol 1,6-bis(3-methylbutanoate); Halazuchrome B; Valepotriatum; Valtratum.

[Intended Use]

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

[Source]

The roots of *Valeriana officinalis* L.

[Biological Activity or Inhibitors]

Valepotriates, a new class of cytotoxic and antitumor agents, they are very potent cytotoxic agents for the HTC hepatoma cells.^[1]

Valepotriates may have a potential anxiolytic effect on the psychic symptoms of anxiety.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Bounthanh C, Bergmann C, Beck J P, *et al. Planta Med.*, 1981, 41(1):21-8.

[2] Andreatini R, Sartori V A, Seabra M L V, *et al. Phytother. Res.*, 2002, 16(7):650-4.

[3] Dossaji S F, Becker H. *Planta Med.*, 1981, 43(2):179-82.

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