

Oleoside Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Oleoside

Catalog No.: CFN99838

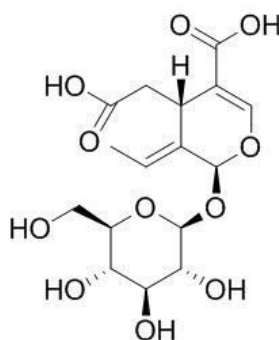
Cas No.: 178600-68-5

Purity: > 95%

M.F: C₁₆H₂₂O₁₁

M.W: 390.3

Physical Description: Powder



Synonyms: (2S,3E,4S)-4-(Carboxymethyl)-3-ethyldiene-2-(β-D-glucopyranosyloxy)-3,4-dihydro-2H-pyran-5-carboxylic acid.

[Intended Use]

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

[Source]

The herbs of *Lepidium sativum*.

[Biological Activity or Inhibitors]

Oleacein is a strong Angiotensin Converting Enzyme (ACE)-inhibitor ($IC_{50} = 26 \mu M$).^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[1]

Mobile phase: 5 % Acetic acid in water- Methanol, gradient elution ;

Flow rate: 1.5 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Hansen K, Adersen A, Christensen S B, *et al. Phytomedicine*, 1996, 2(4):319-25.

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