

Helicid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Helicid

Catalog No.: CFN99957

Cas No.: 80154-34-3

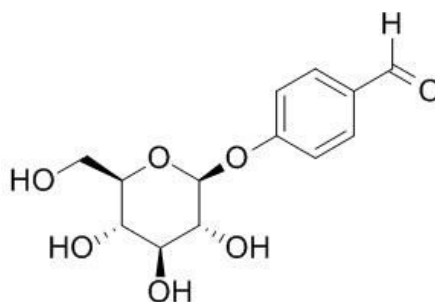
Purity: >=98%

M.F: C₁₃H₁₆O₇

M.W: 284.26

Physical Description: Powder

Synonyms: 2-Formylphenyl beta-L-glucopyranoside.



[Intended Use]

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

[Source]

The roots of *Helicia erratica* Hook. f.

[Biological Activity or Inhibitors]

Helicid analogues are mushroom tyrosinase inhibitors, some of them have more potent

inhibitory activities than arbutin ($IC_{50} = 7.3 \text{ mM}$).^[1]

Some helicid analogues exhibit potent cholinesterase (AChE) inhibitory activities.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: 1.11% Acetic acid in water- Acetonitrile=85:15 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

[Storage]

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

[References]

[1] Yi W, Cao R, Wen H, *et al. Bioorg. Med. Chem. Lett.*, 2008, 18(24):6490-3.

[2] Wen H, Lin C, Que L, *et al. Eur. J. Med. Chem.*, 2008, 43(1):166-73.

[3] Xia G M, Duan L Y, Ding W M, *et al. Chinese Journal of Pharmaceutical Analysis*, 2008, 28(3):417-20.

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