

Niloticin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Niloticin

Catalog No.: CFN99254

Cas No.: 115404-57-4

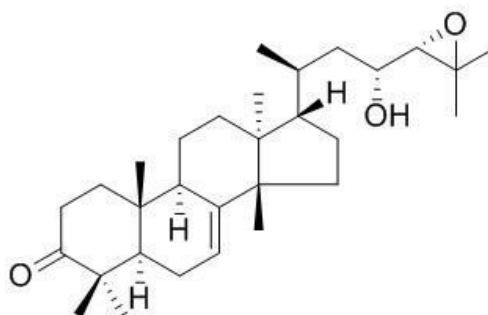
Purity: > 95%

M.F: C₃₀H₄₈O₃

M.W: 456.7

Physical Description: Cryst.

Synonyms: (5xi,13alpha,14beta,20S,23R,24S)-23-hydroxy-24,25-epoxylanost-7-en-3-one.



[Intended Use]

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

[Source]

The barks of *Phellodendron chinense*.

[Biological Activity or Inhibitors]

Niloticin can be used as a potential natural mosquitocide, it shows strong larvicidal and pupicidal activities, and shows good mosquitocidal activity against *Ae. aegypti*.^[1]

Niloticin can be used against the larvae of *A. aegypti* as an effective acetylcholinesterase (AChE) inhibitor.^[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]

[1] Reegan A D, Gandhi M R, Paulraj M G, *et al. Acta Trop.*,2014 Nov;139:67-76.

[2] Reegan A D, Stalin A, Paulraj M G, *et al. Med.Chem.Res.*,2016, 25(7):1411-9.

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