

Linderalactone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Linderalactone

Catalog No.: CFN99761

Cas No.: 728-61-0

Purity: > 98%

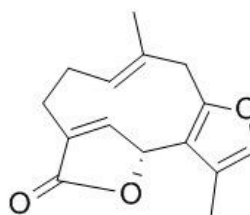
M.F: C₁₅H₁₆O₃

M.W: 244.29

Physical Description: Cryst.

Synonyms:

(4R,10E)-3,11-Dimethyl-4,8,9,12-tetrahydro-6H-4,7-methenofuro[3,2-c]oxacycloundecin-6-one;(R,10E)-4,8,9,12-Tetrahydro-3,11-dimethyl-6H-4,7-methenofuro[3,2-c]oxacycloundecin-6-one;Linderalactone



[Intended Use]

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

[Source]

The roots of *Lindera aggregata* (Sims) Kosterm.

[Biological Activity or Inhibitors]

Linderalactone shows significant inhibitory effects on superoxide anion generation by human neutrophils in response to fMLP/CB, the IC₅₀ is 8.48 microg/mL.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Ethanol-Acetonitrile- H₂O=35:25: 40;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 235 nm.

[Storage]

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

[References]

[1] Chen K S, Hsieh P W, Hwang T L, *et al. Nat. Prod. Res.*, 2005, 19(3):283-6.

[2] Shu J N, Ouyang R. *Chinese Journal of Modern Drug Application*, 2009, 3(8):7-8.

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