

## Linderane Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Linderane

**Catalog No.:** CFN98175

**Cas No.:** 13476-25-0

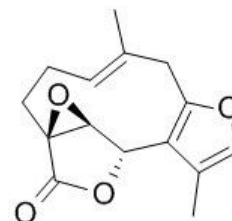
**Purity:** > 98%

**M.F:** C<sub>15</sub>H<sub>16</sub>O<sub>4</sub>

**M.W:** 260.28

**Physical Description:** Cryst.

**Synonyms:** 2H-10,1a-(Epoxy-methano)oxireno[4,5]cyclodeca[1,2-b]furan-12-one,3,6,10,10a-tetrahydro-5,9-dimethyl-,(1aS,4E,10S,10aS)-;(10S,10aS)-5,9-dimethyl-3,6,10,10a-tetrahydro-2H-10,1a-(epoxy-methano)oxireno[4,5]cyclodeca[1,2-b]furan-12-one.



### [ 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 ]**

Linderane (LDR), a furan-containing sesquiterpenoid, is found in *Lindera aggregata* (Sims) Kosterm, a common traditional Chinese herbal medicine, is characterized as a mechanism-based inactivator of CYP2C9.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Acetonitrile : H<sub>2</sub>O=56:44;

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] Wang H, Wang K, Mao X, *et al. Xenobiotica*, 2015, 45(12):1037-46.

[2] Li S H, He G J, LuY , *et al. Guide of China Medicine*, 2015(6):32-3.

## **[ Contact ]**

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