

## Zederone Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Zederone

**Catalog No.:** CFN92616

**Cas No.:** 7727-79-9

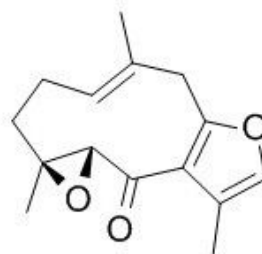
**Purity:** > 95%

**M.F:** C<sub>15</sub>H<sub>18</sub>O<sub>3</sub>

**M.W:** 246.3

**Physical Description:** Powder

**Synonyms:** (1aR,4E,10aR)-1a,3,6,10a-Tetrahydro-1a,5,9-trimethyloxireno[4,5]cyclodeca[1,2-b]furan-10(2H)-one.



### [ Intended Use ]

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

### [ Source ]

The rhizomes of *Curcuma zedoaria*.

## **[ Biological Activity or Inhibitors ]**

Zederone has antibacterial activity against a number of multi-drug resistant and methicillin-resistant *Staphylococcus aureus* strains (SA1199B, ATCC25923, XU212, RN4220 and EMRSA15) and minimum inhibitory concentration (MIC) values are in the range of 64-128 ug/ml.<sup>[1]</sup>

Zederone shows very strong cytotoxicity activity against T-acute lymphoblastic leukaemia cells.<sup>[2]</sup>

## **[ 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] Kader M G, Habib M R, Nikkon F, *et al.* *Boletín Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromáticas*, 2010, 9(1):63-8.

[2] Aspollah S M, Wah T S, Saad S M, *et al.* *Nat. Prod. Res.*, 2010, 24(9):838-45.

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