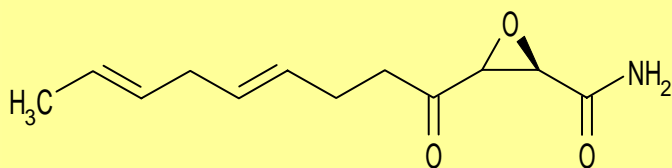


## Structure



**Origin:** *Acremonium Caerulens* FK-140

**CAS Registry Number:** 17397-89-6

**CA Index Name:** (2R,3S,7E,10E)-2,3-Epoxy-4-oxo-7,10-dodecadienamamide

**Appearance:** white powder

**Molecular Formula/ Weight:** C<sub>12</sub>H<sub>17</sub>NO<sub>3</sub>=223.27

**Melting Point:** 93

**Purity:** >98% by HPLC

**Solubility:** Sol. in EtOH, Acetone, Benzene,  
Slightly sol. in water  
Practically insol. Petroleum Ether

### Background Information:

as antifungal antibiotic with a structure of (2R,3S)-2,3-epoxy-4-oxo-7,10-trans,trans-dodecadienoylamide. The first paper on the total synthesis of cerulenin was reported by Boeckman et al. Biological activities: 1) Inhibition of Fatty Acid synthase 2) inhibition of polyketide synthesis 3) Antimicrobial activity

### Handling and Storage:

Store at -20 .

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