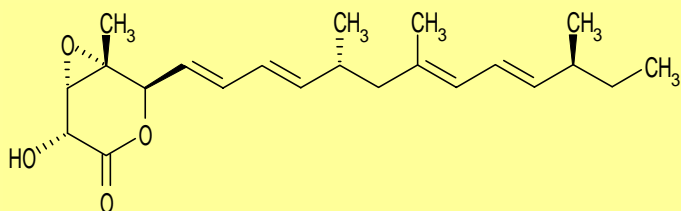


Nafuredin

Cat.# BLK0520

**Structure****Origin:** *Trichoderma harzianum*.**CAS Registry Number:** 224427-79-6**CA Index Name:** (1R,2R,5R,6S)-5-Hydroxy-1-methyl-2-[(1E,3E,5R,7E,9E,11S)-5,7,11-trimethyltrideca-1,3,7,9-tetraenyl]-3,7-dioxabicyclo[4.1.0]heptane-4-one**Appearance:** 5mmol/ml DMSO solution**Molecular Formula/ Weight:** C<sub>22</sub>H<sub>32</sub>O<sub>4</sub>=360.50**Purity:** 95.0% by HPLC**Solubility:** Sol. DMSO, EtOH, EtOAc, Chloroform  
Inso. Water, Hexane**Background Information:**

Nafuredin was isolated from *Aspergillus niger* which is marine strain. It inhibits NADH-fumarate reductase of anaerobic electron transport system in helminth mitochondria. Moreover, nafuredin exerts anthelmintic activity against *Haemonchus contortus* in in vivo trials with sheep.

**Handling and Storage:**

Store at -20 . Do not dry up.

**References:**

1. J Antibiot (Tokyo). 2001 Mar;54(3):234-8.
2. Proc Natl Acad Sci U S A. 2001 Jan 2;98(1):60-2.

Manufactured with Cortesy strain from The Kitasato Institute.

# Mechanism

