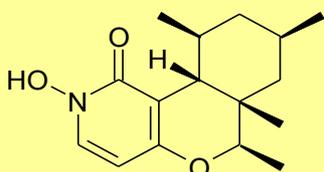


PF1140

Cat.# BLK-1610

Structure**Origin:** Penicillium raphiae.**CAS Registry Number:** 173560-58-2**Appearance:** off white solid**Molecular Formula/ Weight:** C₁₆H₂₃NO₃=277.37**Purity:** >95.0% by HPLC**Solubility:** Sol. in 1mg/ml ethanol, methanol, DMSO**Background Information:**

PF1140 is a cyclic lipopeptide antifungal agent that has been developed specifically for research purposes. It functions as an inhibitor of beta-(1,3)-glucan synthase, an important enzyme in the synthesis of fungal cell walls. PF1140 exhibits broad-spectrum activity against a variety of fungal species, including *Candida* and *Aspergillus*, and its unique mechanism of action makes it a useful tool for investigating fungal cell wall synthesis and identifying potential targets for antifungal therapy.

Handling and Storage:

Store at -20°C.

References:

1. J Antibiot (Tokyo). 2005 Jun;58(6):425-7.
2. Tetrahedron Letters Volume 46, 5885-5888
3. J. Nat. Prod.2009,72,477-479
4. Ann Transl Med. 2022 Sep;10(18):999.

Manufactured with Cortesy strain from The Kitasato Institute.