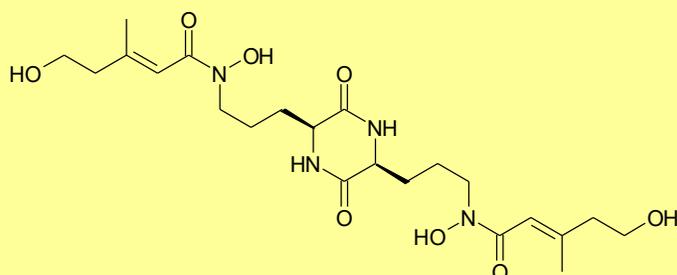


Dimerumic acid

Cat.# BLK-1620

Structure



Origin: Pochonia sp

CAS Registry Number: 26912-16-3

Appearance: off white solid

Molecular Formula/ Weight: C₂₂H₃₆N₄O₈=484.55

Purity:>95.0% by HPLC

Solubility: Sol. in 1mg/ml ethanol, methanol, DMSO

Background Information:

Dimerumic acid is a fungal siderophore originally identified as a cleavage product of triornicin and related coprogen-type compounds produced by fungi¹). It is a low-molecular weight dicarboxylic acid involved in iron chelation pathways. Dimerumic acid has been reported to exhibit antioxidant activity, including scavenging of DPPH radicals and protection against CCl₄-induced liver injury in mice²). Biosynthetic gene clusters responsible for its production have been characterized in *Metarhizium robertsii*³).

Handling and Storage:

Store at -20°C.

References:

1. Front Microbiol. 2021 Nov 25;12:783609.
2. Biochem Pharmacol. 2002 Mar 1;63(5):1019-26.
3. Biochemistry. 1981 Apr 28;20(9):2436-8.

Manufactured with Cortesy strain from The Kitasato Institute.