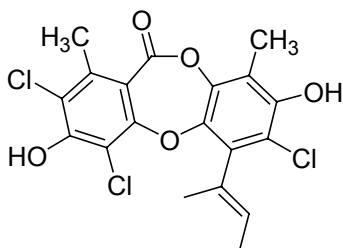


Nornidulin

Code: **BIA-N1159**

Pack sizes: **1 mg, 5 mg**



Synonyms : **Ustin**

Specifications

CAS # : **33403-37-1**
Molecular Formula : **C₁₉H₁₅Cl₃O₅**
Molecular Weight : **429.7**
Source : ***Emericella* sp. MST-FP511**
Appearance : **White solid**
Purity : **> 99% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility**

Application Notes

Nornidulin is a depsidone produced by several fungal species with potent and selective antibacterial activity. While literature on nornidulin is limited, it is closely related to folipastatin and unguinol identified as inhibitors of phospholipase A2, arachidonic acid release from rat polymorphonuclear leukocytes and nitrendipine binding to porcine heart membrane. While showing some calcium blocking attributes these metabolites have potential as antiinflammatory agents.

References

1. Nidulin and ustin; two chlorine-containing metabolic products of *Aspergillus nidulans*. Dean F.M. et al. *Nature* **1953**, 172, 344.]
2. Studies on fungal products XVIII. Isolation and structures of a new fungal depsidone related to nidulin and a new phthalide from *Emericella unguis*. Kawahara N. et al. *Chem. Pharm. Bull.* **1988**, 36, 1970.
3. Folipastatin, a new depsidone compound from *Aspergillus unguis* as an inhibitor of phospholipase A2. Hamano K. et al. *J. Antibiot.* **1992**, 45, 1195.