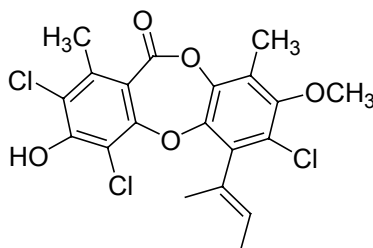


Nidulin

Code: **BIA-N1157**

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



Synonyms : **Methylustin**

Specifications

CAS # : **10089-10-8**
Molecular Formula : **C₂₀H₁₇Cl₃O₅**
Molecular Weight : **443.7**
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

Nidulin is a depsidone produced by several fungal species with potent and selective antibacterial activity. While literature relating to nidulin 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 ustini; 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.