

Product Name:	Nidulin
Product Number:	N038
CAS Number:	10089-10-8
Molecular Formula:	$C_{20}H_{17}Cl_3O_5$
Molecular Weight:	443.7
Appearance:	White solid
Storage Conditions:	-20°C
Description:	Nidulin is a depsidone produced by several fungal species with potent and selective antibacterial activity.
Mechanism of Action:	<p>Nidulin is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</p> <p>While literature relating to nidulin is limited, it is closely related to folipasatin and unguinol, both of which have been 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.</p>
References:	<p>Nidulin and ustin; two chlorine-containing metabolic products of <i>Aspergillus nidulans</i>. Dean F.M. et al. <i>Nature</i>. 1953, 172, 344.</p> <p>Studies on fungal products XVIII. Isolation and structures of a new fungal depsidone related to nidulin and a new phthalide from <i>Emmericella unguis</i>. Kawahara N. et al. <i>Chem. Pharm. Bull.</i> 1988, 36, 1970.</p> <p>Folipastatin, a new depsidone compound from <i>Aspergillus unguis</i> as an inhibitor of phospholipase A2. Hamano K. et al. <i>J. Antibiot.</i> 1992, 45, 1195.</p>