

Product Name: Cycloechinulin

Product Number: C190

CAS Number: 143086-29-7

Molecular Formula: $C_{20}H_{21}N_3O_3$

Molecular Weight: 351.4

Appearance: Light tan solid

Storage Conditions: -20°C

Description: Cycloechinulin is an unusual diketopiperazine isolated from *Aspergillus ochraceus*. Cycloechinulin has not been extensively studied but exhibits insecticidal activity against the lepidopteran crop pest, *Helicoverpa zea*. Recently, cycloechinulin has found use as a secondary metabolite standard for polyphasic taxonomy in *Aspergillus*.

Cycloechinulin is soluble in ethanol, methanol, DMF and DMSO.

References: New diketopiperazine metabolites from the sclerotia of *Aspergillus Ochraceus*. De Guzman F.G.S. et al. , J. Nat. Prod. 1992, 55, 931.

Cycloechinulin antiinsectan metabolite. De Guzman F.S. et al. , US Patent 5196420.

Polyphasic taxonomy of *Aspergillus fumigatus* and related species. Hong S-B. et al. , Mycologia 2005, 97, 1316.