Data Sheet (Cat.No.TN13183)

TargetMol

Xanthoascin

Chemical Properties

CAS No. : 61391-08-0

Formula: C23H20N2O2

Molecular Weight: 356.43

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Xanthoascin (Compound 1) is a natural phenolic metabolite with strong anti-phytopathogenic activity. It is isolated from the solid fermentation product of the endophytic fungus Aspergillus sp. IFB-YXS, found in ginkgo leaves. Xanthoascin exhibits a minimum inhibitory concentration (MIC) of 0.3125 μg/mL against Clavibacter michiganense and shows moderate inhibitory activity against other pathogens (MIC = 5-20 μg/mL). This compound can disrupt bacterial cell membrane permeability, leading to nucleic acid leakage.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8056 mL	14.028 mL	28.056 mL
5 mM	0.5611 mL	2.8056 mL	5.6112 mL
10 mM	0.2806 mL	1.4028 mL	2.8056 mL
50 mM	0.0561 mL	0.2806 mL	0.5611 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.