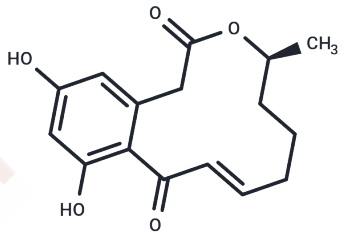
Data Sheet (Cat.No.T10034)

TargetMol

(R)-10,11-Dehydrocurvularin

Chemical Properties



CAS No. : 1095588-70-7

Formula: C16H18O5

Molecular Weight: 290.31

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	10,11-Dehydrocurvularin is an antibiotic and a strong activator of the heat shock response. It inhibits the TGF-β signaling pathway and has anti-tumorous activity.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4446 mL	17.223 mL	34.4459 mL
5 mM	0.6889 mL	3.4446 mL	6.8892 mL
10 mM	0.3445 mL	1.7223 mL	3.4446 mL
50 mM	0.0689 mL	0.3445 mL	0.6889 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.

Reference

Xu Y, et al. Characterization of the biosynthetic genes for 10,11-dehydrocurvularin, a heat shock response-modulating anticancer fungal polyketide from Aspergillus terreus. Appl Environ Microbiol. 2013 Mar;79(6):2038-47.

Cochrane RV, et al. Comparison of 10,11-Dehydrocurvularin Polyketide Synthases from Alternaria cinerariae and Aspergillus terreus Highlights Key Structural Motifs. Chembiochem. 2015 Nov;16(17):2479-83.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481