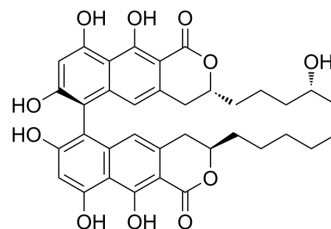


Talaroderxine D

Cat. No.:	HY-N12723
Molecular Formula:	C ₃₆ H ₃₈ O ₁₁
Molecular Weight:	646.68
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Talaroderxine D (compound 4) has biofilm inhibitory effect. Talaroderxine D shows antimicrobial activities against <i>Bacillus subtilis</i> and <i>Staphylococcus aureus</i> with MIC values of 2.1 and 8.3 µg/mL ^[1] .
In Vitro	Talaroderxine D (compound 4) shows potent cytotoxic activities in particular against MCF-7 and A431 cells with IC ₅₀ s of 1.16 and 1.19 µM, respectively ^[1] . Talaroderxine D shows antimicrobial activity against <i>B. subtilis</i> and <i>S. aureus</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jan-Peer Wennrich, et al. Omnipolyphilins A and B: Chlorinated Cyclotetrapeptides and Naphtho- α -pyranones from the Plant Nematode-Derived Fungus *Polyphilus sieberi*. *J Agric Food Chem.* 2024 Apr 3;72(13):6998-7009.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA