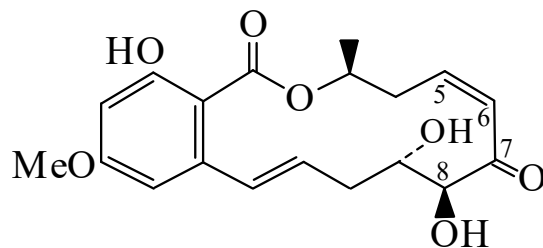




>>Entry Name: Antibiotic LL-Z1640-2

Synonym(s): LL-Z1640-2. C 292. Antibiotic C 292. Antibiotic L 783278. L 783278



CAS Registry Number: 66018-38-0

Related CAS Registry Numbers(s): 69427-14-1

Molecular Formula: C₁₉H₂₂O₇

Molecular Weight: 362.379

Accurate Mass: 362.136555

Percentage Composition: C 62.98%; H 6.12%; O 30.91%

General Statement: Macrolide-type antibiotic

Biological Source: Isol. from *Deuteromyces* sp.

Biological Use/Importance: Protein kinase inhibitor, mycotoxin

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 172-176°

Optical Rotation: [α]_D -75.9 (c, 0.41 in MeOH)

UV: [base] $\lambda_{\max}$ (solvent not reported) (Derep) [neutral] $\lambda_{\max}$ 234 (ϵ 30900); 271 (ϵ 12000); 314 (ϵ 6100) (MeOH) (Derep)

Other Data: Related to Hypothemicin [CKB74-P](#) and Zearalenone [DKH63-A](#)

>>Derivative: 5,6-Dihydro

Synonym(s): Antibiotic LL-Z1640-1. LL-Z1640-1. Antibiotic L 783279. L 783279

CAS Registry Number: 66018-37-9

Molecular Formula: C₁₉H₂₄O₇

Molecular Weight: 364.394

Accurate Mass: 364.152205

Percentage Composition: C 62.63%; H 6.64%; O 30.73%

Biological Source: From *Deuteromyces* sp.

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 151-153°

Optical Rotation: [α]_D -80 (c, 0.48 in MeOH)

UV: [neutral] $\lambda_{\max}$ 234 (ϵ 30900); 271 (ϵ 12000); 314 (ϵ 6100) (MeOH) (Derep)

>>Derivative: 7-Alcohol

Synonym(s): Antibiotic LL-Z1640-4. LL-Z1640-4. Zeaenol

CAS Registry Number: 66018-41-5

Molecular Formula: C₁₉H₂₄O₇

Molecular Weight: 364.394

Accurate Mass: 364.152205

Percentage Composition: C 62.63%; H 6.64%; O 30.73%

Biological Source: Isol. from *Deuteromyces* sp. and *Cochliobolus lunata*

Biological Use/Importance: Shows antiviral and antiprotozoal activity

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 193-195°

Optical Rotation: [α]_D -102 (c, 0.49 in MeOH)

UV: [neutral] $\lambda_{\max}$ 234 (ϵ 30900); 271 (ϵ 12000); 314 (ϵ 6100) (MeOH) (Derep)

Other Data: Stereochem. unknown and may not correspond with that of LL-Z1640-2