

Purchase

Export

Search ScienceDirect



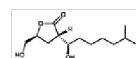
Advanced search

Article outline

Abstract

References

Figures and tables



ADVERTISEMENT

EVENTS YOU MAY BE INTERESTED IN

[Gold 2015 World Conference](#)

26–29 Jul 2015

Cardiff, United Kingdom

[4th Annual Miami Neuro Symposium and
3rd Annual Miami Neuro Nursing
Symposium](#)

3–5 Dec 2015

Coral Gables, United States

[Molecular Diagnostics,
Genomics and Epigenetics in
Clinical Oncology](#)

27–28 Nov 2015

Rome, Italy

[More events »](#)

Powered by GLOBALEVENTSLIST

Purchase

Export

Search ScienceDirect

Sign in

Help

Tetrahedron Letters

Volume 32, Issue 48, 25 November 1991, Pages 7001–7004



Structure and synthesis of a new butanolide from a marine actinomycete

Charles Pathirana, Ryan Dwight, Paul R. Jensen, William Fenical

Antonio Delgado, Linda S. Brinen, Jon Clardy

[Show more](#)

Choose an option to locate/access this article:

Check if you have access
through your login credentials
or your institution[Check access](#)[Purchase \\$39.95](#)[Get Full Text Elsewhere](#)

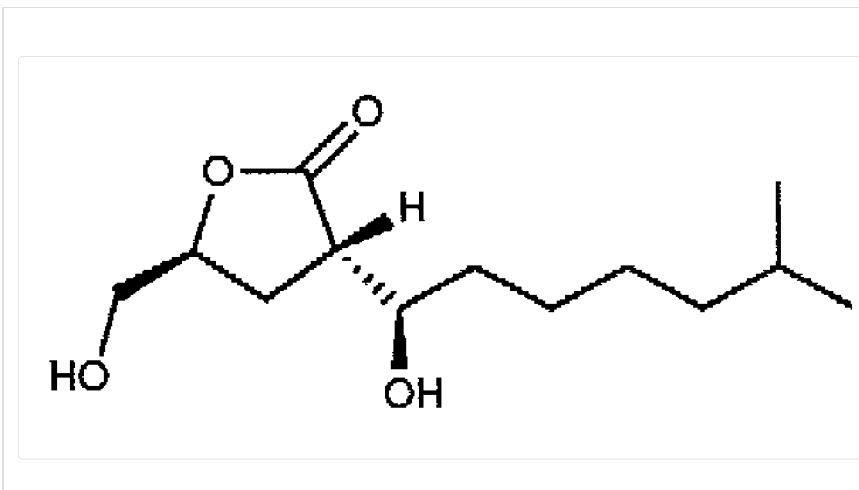
doi:10.1016/0040-4039(91)85024-Y

[Get rights and content](#)

Abstract

The novel butanolide 2, (1R, 2S, 4S)-2-(1-hydroxy-6-methylheptyl)-4-hydroxymethylbutanolide, was isolated from the culture broth of a marine actinomycete. The structure of 2 was assigned by analysis of spectral data and the absolute configuration was determined by synthesis.

A novel butanolide **2** was isolated from the culture broth of a marine actinomycete. The structure of **2** was assigned by analysis of spectral data and the absolute configuration was determined by synthesis.



Copyright © 1991 Published by Elsevier Ltd.

[About ScienceDirect](#)
[Terms and conditions](#)[Contact and support](#)
[Privacy policy](#)

Copyright © 2015 Elsevier B.V. or its licensors or contributors. ScienceDirect® is a registered trademark of Elsevier B.V.

Cookies are used by this site. To decline or learn more, visit our [Cookies](#) page.

[Switch to Mobile Site](#)

Recommended articles

[Stereochemistry of butyrolactone autoregulators fro...](#)

1991, Tetrahedron Letters [more](#)

[Discovery of novel metabolites from marine actino...](#)

2006, Current Opinion in Microbiology [more](#)

[Structure determination of maduralide: a new 24-m...](#)

1991, Tetrahedron Letters [more](#)

[View more articles »](#)

Citing articles (10)

Related book content

Data for this Article



**Cambridge Crystallographic
Data Centre**

[Crystallographic data](#)

