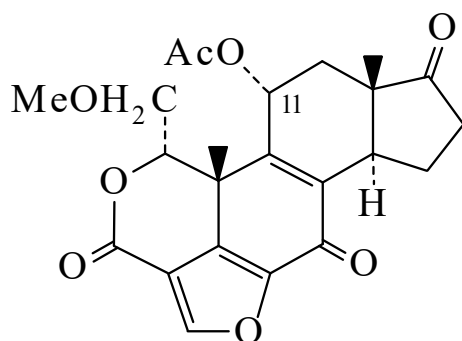




>>Entry Name: Wortmannin

Synonym(s): 11-(Acetyloxy)-1-(methoxymethyl)-2-oxaandrosta-5,8-dieno[6,5,4-*bc*]furan-3,7,17-trione, 9Cl. 11 α -Acetoxy-1 α -methoxymethyl-2-oxafuro[4',3',2':4,5,6]androst-8-ene-3,7,17-trione



CAS Registry Number: 19545-26-7

Molecular Formula: C₂₃H₂₄O₈

Molecular Weight: 428.438

Accurate Mass: 428.14712

Percentage Composition: C 64.48%; H 5.65%; O 29.87%

Biological Source: Metab. of *Penicillium wortmani* and *Myrothecium roridum*

Biological Use/Importance: Shows antifungal and antiinflammatory activity

Physical Description: Needles

Melting Point: Mp 240°

Optical Rotation: [α]_D²⁶+89 (c, 1.1 in CHCl₃)

Calculated Log P Data: Log P 0.25 (uncertain value) (calc)

Other Data: Unstable in aq. solns. pH 3-8

Fluka: 95455

Sigma: W1628

>>Derivative: 11-Deacetoxy

Synonym(s): 11-Deacetoxywortmannin

CAS Registry Number: 31652-69-4

Molecular Formula: C₂₁H₂₂O₆

Molecular Weight: 370.401

Accurate Mass: 370.14164

Percentage Composition: C 68.10%; H 5.99%; O 25.92%

Biological Source: Metab. of *Penicillium funiculosum*

Use/Importance: Antiinflammatory used in treatment of rheumatism

Physical Description: Cryst. (CH₂Cl₂/Et₂O)

Melting Point: Mp 178-180°

Optical Rotation: [α]_D²⁰+104 (c, 0.97 in CHCl₃)

Calculated Log P Data: Log P 1.39 (uncertain value) (calc)

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Haeffliger, W. *et al.*, *Helv. Chim. Acta*, 1973, **56**, 2901, (*deriv*)
Wiesinger, D. *et al.*, *Experientia*, 1974, **30**, 135, (*pharmacol*)
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Sato, S. *et al.*, *Tet. Lett.*, 1996, **37**, 6141, (*synth*)