



**Melting Point:** Mp 140-142° (as Ac)

**Optical Rotation:**  $[\alpha]_{\text{D}}^{20} -170.5$  (c, 1 in  $\text{CHCl}_3$ ) (Ac)

>>**Derivative:** 5-Deoxy, 4,6,8-triepimer

**Synonym(s):** Leiocarpin A

**CAS Registry Number:** 180470-33-1

**Extra CAS Registry Numbers(s):** 136685-37-5

**Molecular Formula:**  $\text{C}_{13}\text{H}_{14}\text{O}_4$

**Molecular Weight:** 234.251

**Accurate Mass:** 234.08921

**Percentage Composition:** C 66.66%; H 6.02%; O 27.32%

**Biological Source:** Constit. of *Goniothalamus leiocarpus*

**Physical Description:** Needles ( $\text{Me}_2\text{CO}$ /petrol)

**Melting Point:** Mp 132-134°

**Optical Rotation:**  $[\alpha]_{\text{D}}^{24} -98.4$  (c, 0.6 in  $\text{CHCl}_3$ )

**UV:** [neutral]  $\lambda_{\text{max}}$  201 (log  $\epsilon$  3.29) (MeOH)

#### References:

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Zhou, Z. *et al.*, *Chin. J. Chem.*, 1993, **11**, 479, (*synth*)  
Goh, S.H. *et al.*, *Aust. J. Chem.*, 1995, **48**, 199, (*Deoxygonioppyrone*)  
Shing, T.K.M. *et al.*, *J.O.C.*, 1995, **60**, 3121, (*synth, ir, pmr, cmr*)  
Yang, Z.C. *et al.*, *Heterocycles*, 1997, **45**, 367, (*synth*)  
Surivet, J.-P. *et al.*, *Tet. Lett.*, 1998, **39**, 9681-9682, (*Deoxygonioppyrone, synth*)  
Mu, Q. *et al.*, *Heterocycles*, 1999, **51**, 2969-2976, (*Leiocarpin A*)  
Zhang, Y.J. *et al.*, *J. Asian Nat. Prod. Res.*, 1999, **1**, 189-197, (*5-Ac, 7-Ac*)  
Tsubuki, M. *et al.*, *Tetrahedron*, 1999, **55**, 2493-2514, (*synth*)  
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