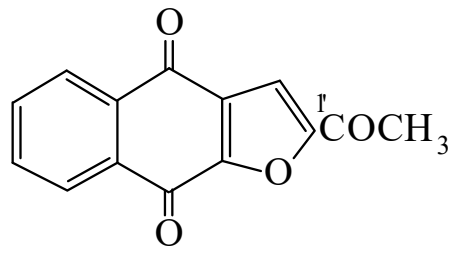
>>**Entry Name: 2-Acetylnaphtho[2,3-*b*]furan-4,9-dione,** 9CI



CAS Registry Number: 83280-65-3
Related CAS Registry Numbers(s): 83889-95-6

Molecular Formula: $C_{14}H_8O_4$
Molecular Weight: 240.215
Accurate Mass: 240.04226
Percentage Composition: C 70.00%; H 3.36%; O 26.64%
Biological Source: Isol. from stem bark of *Tabebuia cassinoides*
Biological Use/Importance: Shows cytotoxic activity, antibacterial and antifungal properties
Physical Description: Orange needles (MeOH)
Melting Point: Mp 227-228° (224-225°)

>>**Derivative:** 1'-Alcohol
Synonym(s): 2-(1-Hydroxyethyl)naphtho[2,3-*b*]furan-4,9-dione, 9CI

CAS Registry Number: 92487-49-5

Molecular Formula: $C_{14}H_{10}O_4$
Molecular Weight: 242.231
Accurate Mass: 242.05791
Percentage Composition: C 69.42%; H 4.16%; O 26.42%
Biological Source: Isol. from stem bark of *Tabebuia cassinoides* and heartwood of *Paratecoma peroba*
Physical Description: Yellow needles
Melting Point: Mp 140-142°
Solubility: BERDY SOL: Sol. $CHCl_3$, MeOH; poorly sol. hexane
UV: [neutral] λ_{max} 250 (); 340 () (EtOH) (Berdy)
Other Data: Racemic

References:

Kingston, D.G.I. *et al.*, *Planta Med.*, 1980, **39**, 230, *(isol)*
Pinto, A.V. *et al.*, *Ann. Acad. Bras. Cienc.*, 1982, **54**, 1, *(synth)*
Rao, M.M. *et al.*, *J. Nat. Prod.*, 1982, **45**, 600, *(isol, struct, synth, uv, ir, ms)*
Lopes, C.C. *et al.*, *J. Het. Chem.*, 1984, **21**, 621, *(synth, uv, pmr, bibl)*
Kosuge, K. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 1669, *(isol)*
Koyanagi, J. *et al.*, *J. Het. Chem.*, 1995, **32**, 1289; 1997, **34**, 407-412, *(synth)*
Hagiwara, H. *et al.*, *Heterocycles*, 1999, **51**, 497-500, *(synth)*
Rodriguez, E.C. *et al.*, *Rev. Latinoam. Quim.*, 2000, **27**, 89
Lee, Y.R. *et al.*, *Synth. Commun.*, 2001, **31**, 381-386, *(synth, ir, pmr, 1'-alcohol)*