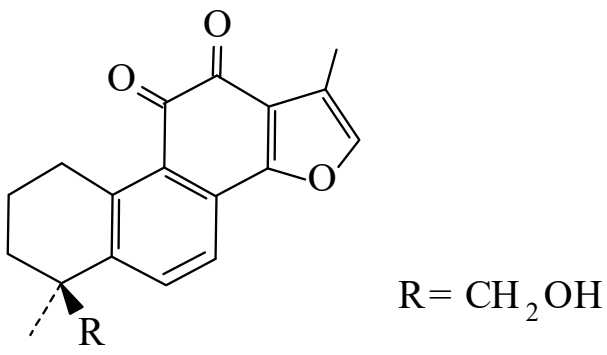
>>**Entry Name: Tanshinone IIB**

Synonym(s): 6,7,8,9-Tetrahydro-6-hydroxymethyl-1,6-dimethylphenanthro[1,2-*b*]furan-10,11-dione, $_{9Cl}$. 12,14-Epoxy-19-hydroxy-20-nor-5(10),6,8,13,15-abietapentaene-11, 12-dione



CAS Registry Number: 17397-93-2

Molecular Formula: $C_{19}H_{18}O_4$
Molecular Weight: 310.349
Accurate Mass: 310.12051
Percentage Composition: C 73.53%; H 5.85%; O 20.62%
Biological Source: Pigment from the root of *Salvia miltiorrhiza*
Melting Point: Mp 202-204°
Optical Rotation: $[\alpha]_D^{19}$ –48.4 (c, 0.248 in Me_2CO)
UV: [neutral] λ_{max} 226 (); 252 (); 269 (); 348 (); 465 () (EtOH) (Berdy)

References:

Takiura, K. *et al.*, *Chem. Pharm. Bull.*, 1962, **10**, 112, *(isol)*
Baillie, A.C. *et al.*, *J.C.S.(C)*, 1968, 48, *(struct, synth)*
Lee, J. *et al.*, *J.O.C.*, 1990, **55**, 4995, *(synth)*
Haiza, M. *et al.*, *J.O.C.*, 1990, **55**, 5008, *(synth, abs config)*