[ **Product Information** ]

**Name:** Tanshindiol C  
**Catalog No.:** CFN92147  
**Cas No.:** 97465-71-9  
**Purity:** > 98%  
**M.F:** C$_{18}$H$_{16}$O$_5$  
**M.W:** 312.3  
**Physical Description:** Cryst.  
**Synonyms:**  
(6R)-6,7,8,9-Tetrahydro-6β,7α-dihydroxy-1,6-dimethylphenanthro[1,2-b]furan-10,11-dione.

[ **Intended Use** ]

1. Reference standards;  
2. Pharmacological research;  
3. Synthetic precursor compounds;  
4. Intermediates & Fine Chemicals;  
5. Others.

[ **Source** ]

The roots of Salvia miltiorrhiza.

[ **Biological Activity or Inhibitors** ]
Tanshindiol B and C potently inhibit the methyltransferase activity in in vitro enzymatic assay with IC50 values of 0.52uM and 0.55uM, respectively; tanshindiol C exhibits growth inhibition of several cancer cells including Pfeiffer cell line, a diffuse large B cell lymphoma harboring EZH2 A677G activating mutation; suggests that tanshindiols possess a unique anti-cancer activity whose mechanism involves the inhibition of EZH2 activity and would provide chemically valuable information for designing a new class of potent EZH2 inhibitors.[1]

[Solvent]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method][2]
Mobile phase: Methanol- 1% Acetic acid H2O=8:92 ;
Flow rate: 1.0 ml/min;
Column temperature: 30 ℃;
The wavelength of determination: 280 nm.

[Storage]
2-8℃, Protected from air and light, refrigerate or freeze.

[References]

[Contact]
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