[ Product Information ]

Name: Tanshindiol B

Catalog No.: CFN92146

Cas No.: 97465-70-8

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,7β-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, isolated from acetonolic extract of *S. przewalskiii*, it can inhibit the proliferation and migration of HUVEC, angiogenesis on CAM, and the secrete of VEGF in a dose-dependent manner; indicates that tanshindiol B possesses the anti-angiogenic activity, so it can be a promising candidate for angiogenesis inhibitors.[1]

Tanshindiol B and C potently inhibit the methyltransferase activity in in vitro enzymatic assay with IC50 values of 0.52uM and 0.55uM, respectively.[2]

[**Solvent**]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[**HPLC Method**][3]

Mobile phase: Acetonitrile-0.5% Acetic acid H2O, gradient elution;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 281 nm.

[**Storage**]

2-8°C, Protected from air and light, refrigerate or freeze.

[**References**]


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