

Tanshinone IIA, AP-1 transcription factor inhibitor

Catalog	Unit
TBI2186-5MG	5 mg
TBI2186-25MG	25 mg

Product Details

Formal Name: 1,6,6-Trimethyl-6,7,8,9-tetrahydrophenanthro[1,2-b]furan-10,11-dione

Molecular Formula: C₁₉H₁₈O₃

Formula Weight: 294.35

CAS Number: 568-72-9

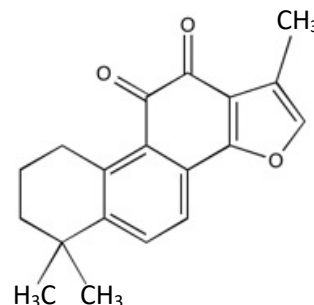
Purity: >95%

Formulation: powder

Solubility: Soluble in DMSO (25 mg/ml) or in Ethanol (5 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

AP-1 transcription factor inhibitor

Functions

Diterpenoid naphthoquinone found in *Salvia sp.* and isolated as an active component of the traditional Chinese medicine Tanshen. Tanshinone IIA displays anti-inflammatory activity and induces apoptosis in a variety of cell lines. Also inhibits AP-1 activity by suppressing jun-fos-DNA complex formation (IC₅₀ = 0.22 μM).

Application Procedures

First dissolved in DMSO (25 mg/ml) or in Ethanol (5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.