

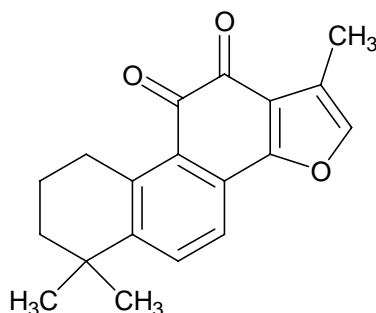
Catalog No. 11216-028 5 mg

PRODUCT: Tanshinone IIA

CATALOG NO.: 11216-028

SIZE: 5 mg

STRUCTURE:



PHYSICAL APPEARANCE: Orange solid (m.p. 205-207°C)

MOLECULAR FORMULA: C₁₉H₁₈O₃ MOLECULAR WEIGHT: 294.3

PURITY: 98% (TLC: 30% Ethyl acetate/Petroleum ether; R_f = 0.47)

SOLUBILITY: Soluble in DMSO (25 mg/mL) and ethanol (5 mg/mL)

STORAGE: Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.

APPLICATION NOTES: Tanshinone IIA is a diterpenoid naphthoquinone found in the traditional Chinese medicine Tanshen (*Salvia sp*). It inhibits AP-1 activity by suppressing jun-fos-DNA complex formation (IC₅₀ = 0.22 μM).¹ It displays anti-inflammatory activity² and induces apoptosis in a variety of cell lines³. The product is not sterile.

- REFERENCES:
1. S.Park *et al. Bull.Korean Chem.Soc.* 1999 **20** 925
 2. B.Y.Kang *et al. Immunopharmacology* 2000 **49** 355
 3. H.J.Sung *et al. Exp.Mol.Med.* 1999 **31** 174

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.