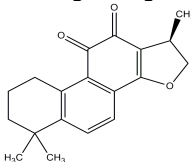


**PRODUCT: Cryptotanshinone****ALTERNATE NAME:** 1,2,6,7,8,9-Hexahydro-1,6,6-trimethyl[1,2-b]furan-10,11-dione**CATALOG #:** 2429-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>19</sub>H<sub>20</sub>O<sub>3</sub>**MOLECULAR WEIGHT:** 296.36**CAS NUMBER:** 35825-57-1**APPEARANCE:** Orange solid**SOLUBILITY:** DMSO (~5 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20° C. Protect from light and air

**DESCRIPTION:** Cryptotanshinone is a natural product isolated from the roots of *Salvia miltiorrhiza* Bunge that displays a variety of biological activities. Displays antitumor activity by inhibition of STAT3 (IC<sub>50</sub> = 4.6 μM). Also displays antibacterial and anti-inflammatory activity and acts as an antidiabetes and antiobesity agent via activation of AMP-activated protein kinase (AMPK). Also inhibits acetylcholinesterase (AChE) (IC<sub>50</sub> = 4.09 μM) and reduction in Aβ peptide generation.

**REFERENCE:** Shin, D.S., *et al.* (2009). *Cancer Res.* **69**, 193-202.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

AG490 (Cat. No. 1570-5)

CP-690550 (Cat. No. 1622-5, 25)

LLL12 (Cat. No. 1792-5, 25)

Stat1 Antibody (Cat. No. 3133R-100)

Stat2 Antibody (Cat. No. 3468R-100)

Phospho-Stat2 Antibody (Cat. No. 3469-1000)

Stat3 Antibody (Cat. No. 3470R-100)

Phospho-Stat3 Antibody (Cat. No. 3474-100)

Stat3 Inhibitor I, S3I-201 (Cat. No. 1775-5, 25)

Stat3 Peptide Inhibitor, Cell-Permeable (Cat. No. 1778-1,5)

Stat4 Antibody (Cat. No. 3471R-100)

Stat5 Antibody (Cat. No. 3472-100)

Phospho-Stat5 Antibody (Cat. No. 3475-100)

Stat6 Antibody (Cat. No. 3473R-100)

Phospho-Stat6 Antibody (Cat. No. 3476-100)

Tyrphostin AG 490 (Cat. No. 1570-5)

WHI-P131 (Cat. No. 1853-5, 25)

WP1066 (Cat. No. 1809-5, 25)

PathwayReady™ JAK/Stat Signaling Inhibitor Panel (Cat. No. K864-8)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**