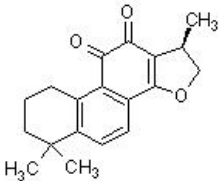


Cryptotanshinone, STAT3 inhibitor ab120666

[1 References](#) [2 图像](#)

概述

| | |
|-------|--|
| 产品名称 | Cryptotanshinone, STAT3抑制剂 |
| 描述 | STAT3抑制剂with diverse biological activities |
| 生物学描述 | STAT3 inhibitor (IC ₅₀ = 4.6 μM). Cell-permeable, naturally occurring constituent of <i>Salvia miltiorrhiza</i> with diverse biological activities. Shows anticancer, antibacterial, anti-inflammatory, antidiabetes and antiobesity activity. Attenuates amyloid plaque deposition in the brain. |
| 纯度 | > 95% |
| CAS编号 | 35825-57-1 |
| 化学结构 |  |

性能

| | |
|-------|---|
| 化学名称 | (R)-(-)-1,6,6-Trimethyl-1,2,6,7,8,9-hexahydrophenanthro[1,2-b]furan-10,11-dione |
| 分子量 | 296.37 |
| 分子式 | C ₁₉ H ₂₀ O ₃ |
| 存放说明 | Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions. |
| 溶解度概述 | Soluble in DMSO to 10 mM |
| 处理 | <p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p> |
| 来源 | <i>Salvia miltiorrhiza</i> |

应用

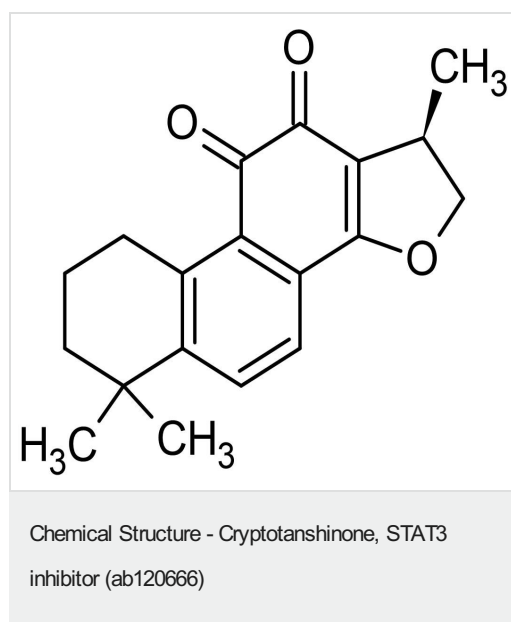
The Abpromise guarantee

Abpromise™ 承诺保证使用 ab120666 于以下的经测试应用

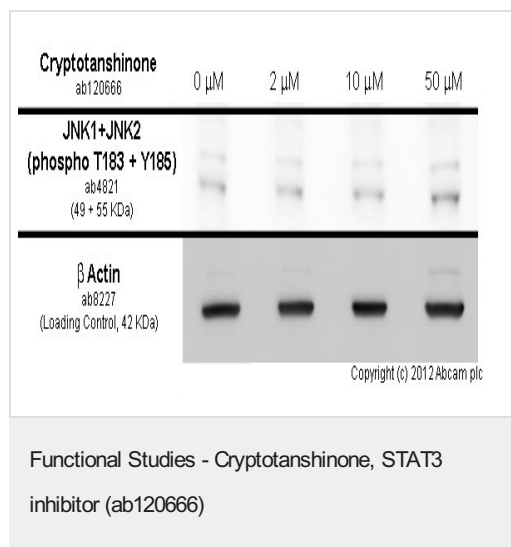
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab 评论 | 说明 |
|--------------------|-------|--|
| Functional Studies | | Use at an assay dependent concentration. |

图片



2D chemical structure image of ab120666, Cryptotanshinone, STAT3 inhibitor



MCF7 cells were incubated at 37°C for 4h with vehicle control (0 μM) and different concentrations of cryptotanshinone (ab120666). Increased expression of JNK1+JNK2 (phospho T183 + Y185) in MCF7 cells correlates with an increase in cryptotanshinone concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab4821** at 1/1000 dilution and **ab8227** at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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