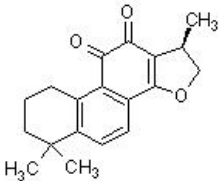


Cryptotanshinone, STAT3 inhibitor ab120666

1 References **画像数 2**

製品の概要

製品名	Cryptotanshinone, STAT3 inhibitor
製品の詳細	STAT3 inhibitor with diverse biological activities
生理活性の詳細	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.
精製度	> 95%
CAS 番号	35825-57-1
構造式	

製品の特性

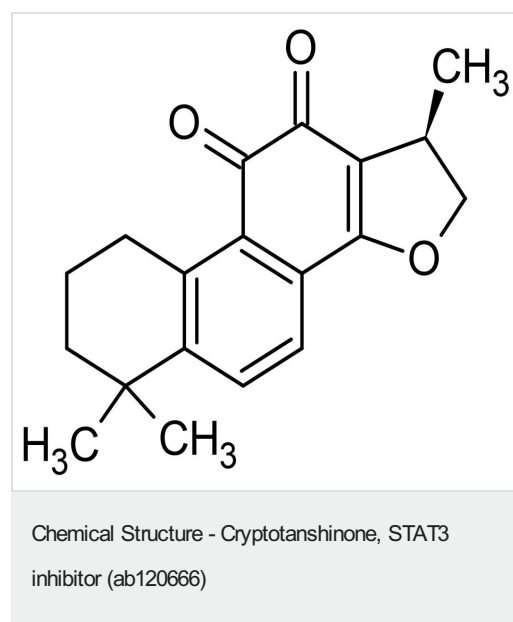
体系名	(R)-(-)-1,6,6-Trimethyl-1,2,6,7,8,9-hexahydrophenanthro[1,2-b]furan-10,11-dione
分子量	296.37
分子式	C ₁₉ H ₂₀ O ₃
保存方法	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
溶解性	Soluble in DMSO to 10 mM
使用に関する注意	<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>
由来	<i>Salvia miltiorrhiza</i>

アプリケーション

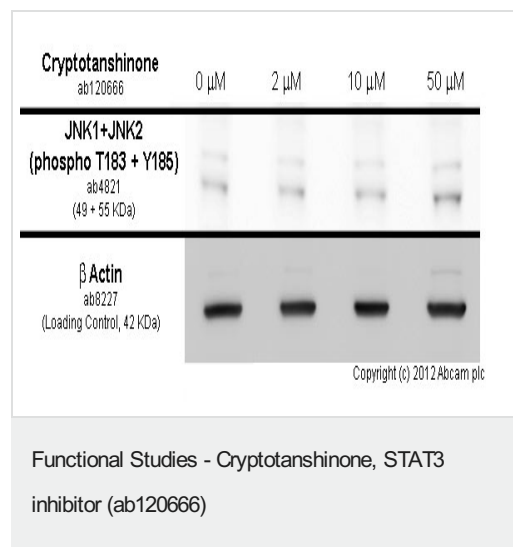
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab120666の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



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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