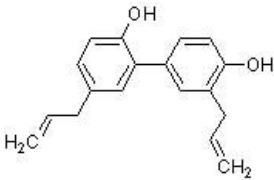


Honokiol, anti-inflammatory and chemotherapeutic agent

ab120647

3 图像

概述

产品名称	Honokiol, anti-inflammatory and chemotherapeutic agent
描述	Anti-inflammatory and chemotherapeutic agent
生物学描述	Potent scavenger of reactive oxygen species with antiangiogenic, antitumor and anti-inflammatory properties. Mechanisms of action include inhibition of ras signalling and activation of the mitochondrial transition pore <i>via</i> cyclophilin D induction. Inhibits NF-κB signaling, upstream of VEGF. Blood-brain barrier permeable.
纯度	> 98%
CAS编号	35354-74-6
化学结构	

性能

化学名称	5,3'-Diallyl-2,4'-dihydroxybiphenyl
分子量	266.34
分子式	C ₁₈ H ₁₈ O ₂
存放说明	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 mM and in ethanol to 100 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>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked</p>

[questions \(FAQ\) page](#) for more details.

来源

Synthetic

应用

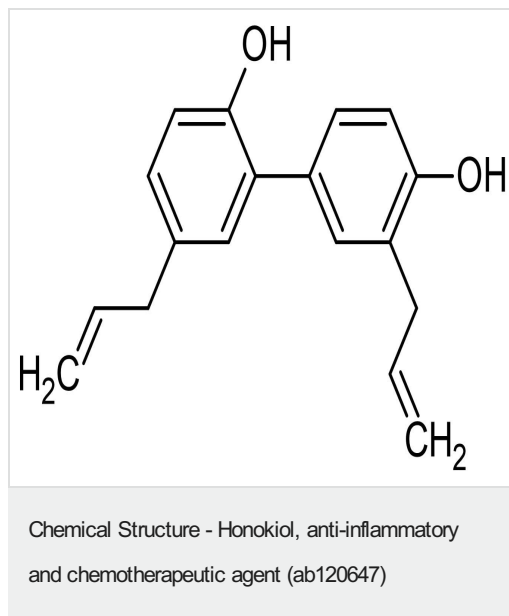
The Abpromise guarantee

Abpromise™承诺保证使用ab120647于以下的经测试应用

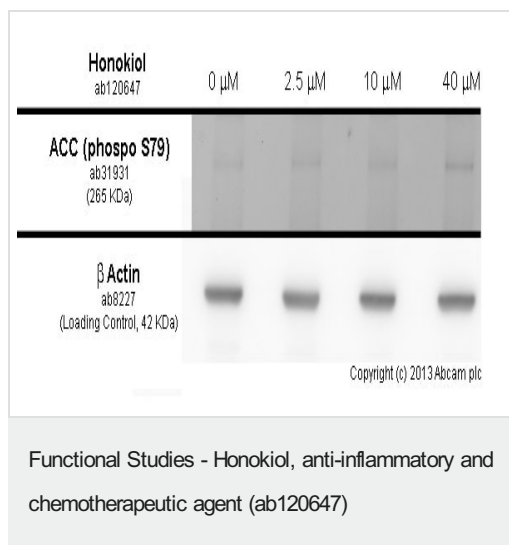
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

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

图片

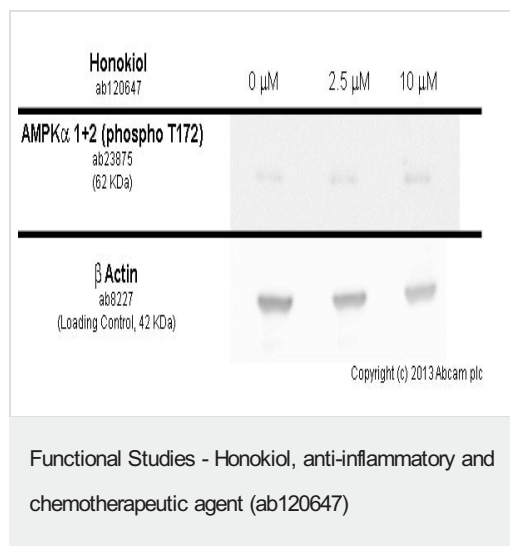


2D chemical structure image of ab120647, Honokiol, anti-inflammatory and chemotherapeutic agent



MCF7 cells were incubated at 37°C for 6h with vehicle control (0 μM) and different concentrations of honokiol(ab120647). Increased expression of acetyl coenzyme A carboxylase (phospho S79) (**ab31931**) in MCF7 cells correlates with an increase in honokiol 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 **ab31931** at 1 μg/ml 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.



MCF7 cells were incubated at 37°C for 6h with vehicle control (0 μM) and different concentrations of honokiol(ab120647). Increased expression of AMPKα 1 + AMPKα 2 (phospho T172) (**ab23875**) in MCF7 cells correlates with an increase in honokiol 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 **ab23875** 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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