

Baicalein, Lipoxygenase inhibitor. ab120723

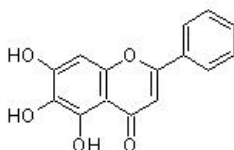
画像数 2

製品の概要

製品名	Baicalein, Lipoxygenase inhibitor.
製品の詳細	Flavonoid. Lipoxygenase inhibitor.
生理活性の詳細	Cell-permeable flavonoid. Lipoxygenase inhibitor (IC ₅₀ values are 0.64 and 1.6 μM at 12- and 15-lipoxygenases, respectively). Shows antioxidant and anti-inflammatory properties. Also induces apoptosis. Additionally, inhibits α-syn oligomerisation, β-Amyloid induced neurotoxicity and amyloid protein aggregation.

精製度	> 98%
CAS 番号	491-67-8

構造式



製品の特性

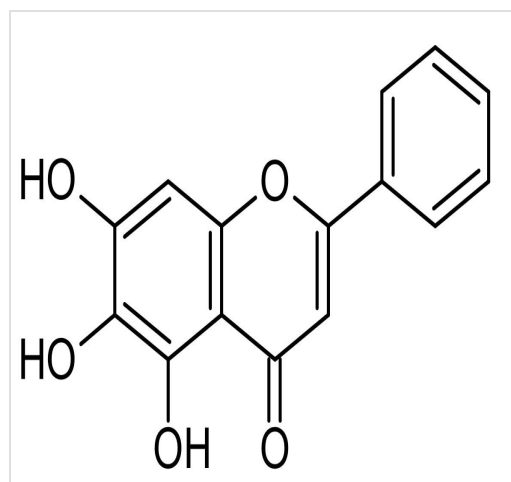
体系名	5,6,7-Trihydroxy-2-phenyl-(4 <i>H</i>)-1-benzopyran-4-one
分子量	270.24
分子式	C ₁₅ H ₁₀ O ₅
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 50 mM
使用に関する注意	<p>Wherever possible, you should prepare and use solutions on the same 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>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	Synthetic

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ab120723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検討ください。

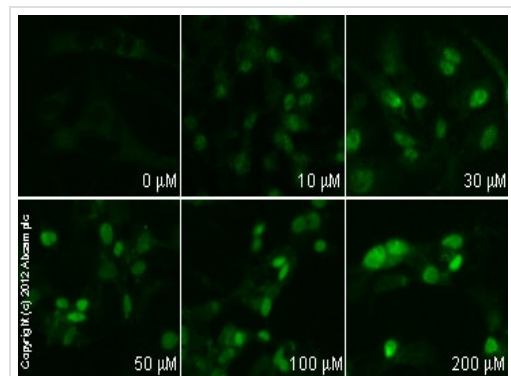
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - Baicalein, Lipoxxygenase inhibitor. (ab120723)

2D chemical structure image of ab120723, Baicalein, Lipoxxygenase inhibitor.



Immunocytochemistry/ Immunofluorescence - Baicalein, Lipoxxygenase inhibitor. (ab120723)

ab51608 staining HIF1α in HepG2 cells treated with baicalein (ab120723), by ICC/IF. Increase in HIF1α expression correlates with increased concentration of baicalein as described in literature. The cells were incubated at 37°C for 6h in media containing different concentrations of ab120723 (baicalein) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab51608** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody.

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

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