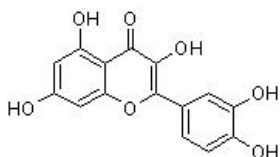


Quercetin, Antioxidative flavonoid ab120247

2 References [画像数 2](#)

製品の概要

製品名	Quercetin, Antioxidative flavonoid
製品の詳細	Antioxidative flavonoid
生理活性の詳細	Antioxidative flavonoid. Anticancer, antithrombotic and anti-inflammatory agent. Actions include inhibition of mitochondrial ATPase, phosphodiesterases, PI3-kinase and PIP kinase activity.
CAS 番号	6151-25-3
構造式	



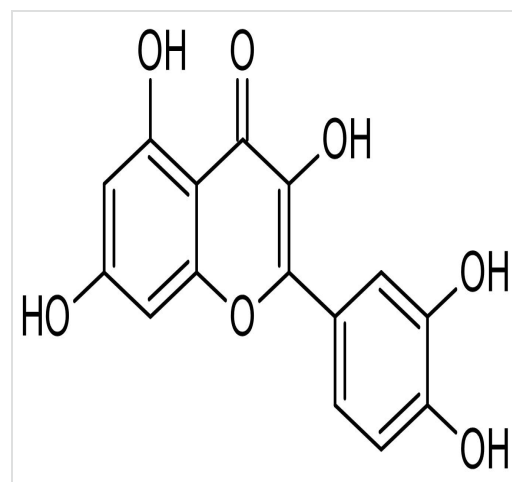
製品の特性

体系名	2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4 <i>H</i> -1-benzopyran-4-one
分子量	302.24
分子式	C ₁₅ H ₁₀ O ₇
PubChem 登録番号	5280343
保存方法	Store at Room Temperature. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 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>
SMILES 線形表記	<chem>Oc1ccc(cc1O)C=3Oc2cc(O)cc(O)c2C(=O)C=3O</chem>
由来	Synthetic

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ab120247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。

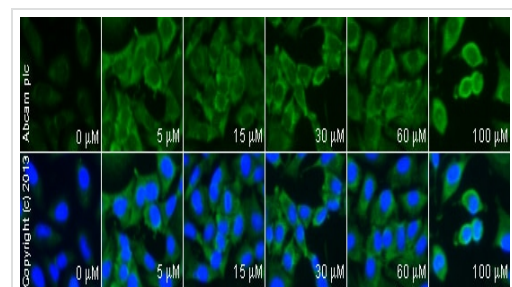
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - Quercetin, Antioxidative flavonoid (ab120247)

2D chemical structure image of ab120247, Quercetin, Antioxidative flavonoid



Functional Studies - Quercetin, Antioxidative flavonoid (ab120247)

ab13847 staining active caspase 3 in A549 cells treated with quercetin (ab120247), by ICC/IF. Increase in active caspase 3 expression correlates with increased concentration of quercetin, as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of ab120247 (quercetin) in DMSO, fixed with 100% methanol for 5 minutes at -20°C 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 **ab13847** (1 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 (**ab968999**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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

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