

Product datasheet

Quercetin ab120247

1 References [画像数 1](#)

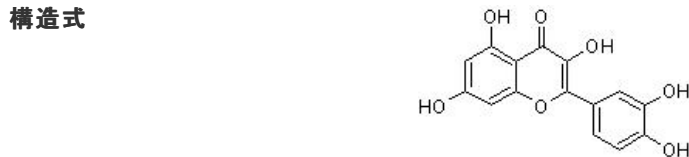
製品の概要

製品名	Quercetin
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.
精製度	> 99%

製品の特性

体系名 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4*H*-1-benzopyran-4-one

分子量 302.24



分子式 C₁₅H₁₀O₇

CAS 番号 6151-25-3

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 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.

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES 線形表記 Oc1ccc(cc1O)C=3Oc2cc(O)cc(O)c2C(=O)C=3O

由来 Synthetic

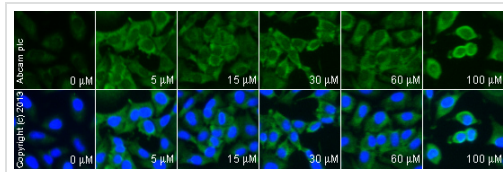
アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab120247** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

画像



Functional Studies - Quercetin (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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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