

Product datasheet

(±)-Naringenin ab120958

1 Image

Overview

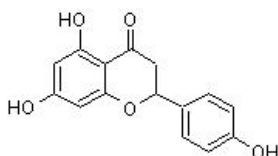
Product name	(±)-Naringenin
Description	Citrus flavonoid. Antioxidant, anti-inflammatory.
Biological description	Citrus flavonoid. Antioxidant, anti-inflammatory. Affects various signaling pathways <i>in vitro</i> and <i>in vivo</i> . Crosses the blood-brain barrier.
Purity	> 98%

Properties

Chemical name 2,3-Dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-4*H*-1-benzopyran-4-one

Molecular weight 272.26

Chemical structure



Molecular formula C₁₅H₁₂O₅

CAS Number 67604-48-2

Storage instructions 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.

Solubility overview Soluble in DMSO to 100 mM and in ethanol to 100 mM

Handling 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.

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

Source Synthetic

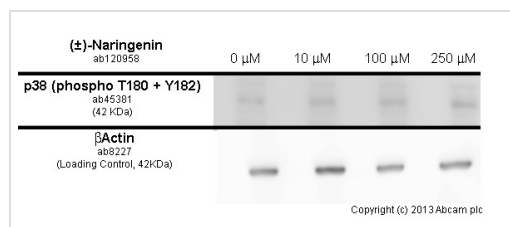
Applications

Our [Abpromise guarantee](#) covers the use of **ab120958** in the following tested applications.

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

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Functional Studies - (plusminus)-Naringenin
(ab120958)

Serum starved HepG2 cells were incubated at 37°C for 30 minutes with vehicle control (0 μ M) and different concentrations of (±)-naringenin (ab120958). Increased expression of p38 (phospho T180 + Y182) (ab45381) in HepG2 cells correlates with an increase in (±)-naringenin concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 μ g 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 ab45381 at 1 μ g/ml and ab8227 at 1/1000 dilution overnight at 4°C. Antibody binding was detected using an anti-mouse antibody conjugated to HRP (ab97040) at 1/10000 and visualised using ECL development solution.

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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