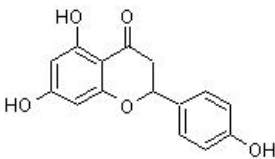


Product datasheet

(±)-Naringenin, Antioxidant ab120958

2 Images

Overview

Product name	(±)-Naringenin, Antioxidant
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%
CAS Number	67604-48-2
Chemical structure	

Properties

Chemical name	2,3-Dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-4 <i>H</i> -1-benzopyran-4-one
Molecular weight	272.26
Molecular formula	C ₁₅ H ₁₂ O ₅
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	<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>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic

Applications

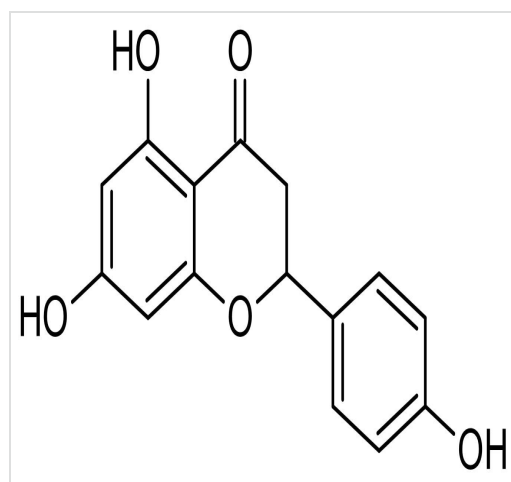
The Abpromise guarantee

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.

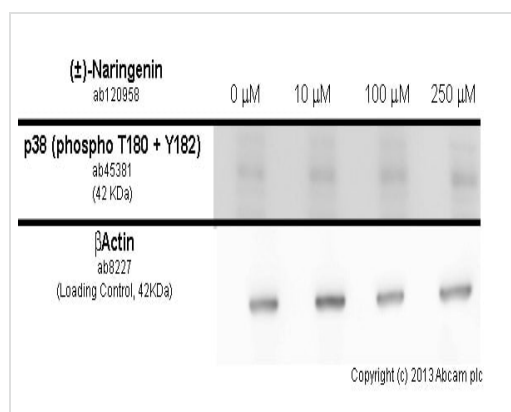
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Chemical Structure - (±)-Naringenin, Antioxidant
(ab120958)

2D chemical structure image of ab120958, Naringenin, Antioxidant



Functional Studies - (±)-Naringenin, Antioxidant
(ab120958)

Serum starved HepG2 cells were incubated at 37°C for 30 minutes with vehicle control (0 μM) 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 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 ab45381 at 1 μg/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. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team