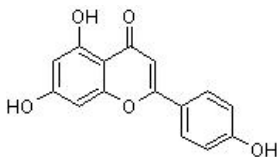


## Product datasheet

# Apigenin, Anticancer agent ab120141

[1 References](#) [2 Images](#)

### Overview

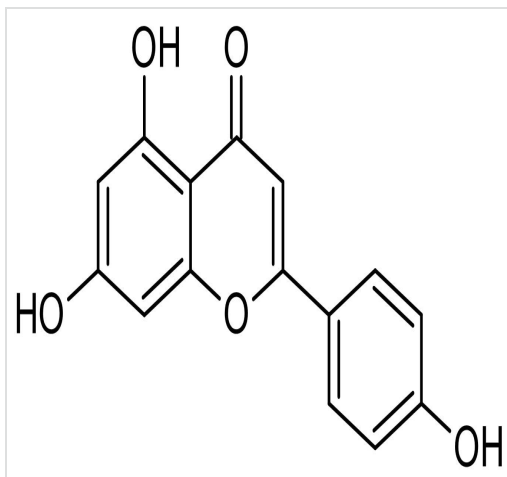
<b>Product name</b>	Apigenin, Anticancer agent
<b>Description</b>	Anticancer agent
<b>Biological description</b>	Plant flavone. Antioxidant, anti-inflammatory and anticancer properties. Effects a wide range of molecular targets including caspases, fatty acid synthase, topoisomerase and nuclear factor-κB.
<b>Purity</b>	> 98%
<b>CAS Number</b>	520-36-5
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	5,7-Dihydroxy-2-(4-hydroxyphenyl)-4 <i>H</i> -1-benzopyran-4-one
<b>Molecular weight</b>	270.24
<b>Molecular formula</b>	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>
<b>PubChem identifier</b>	5280443
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	<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 <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

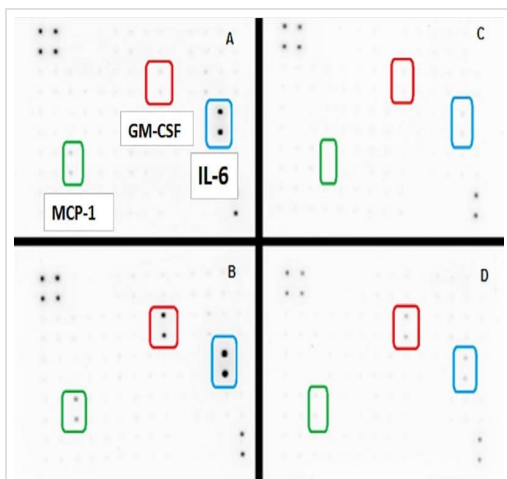
**SMILES** Oc1ccc(cc1)C3=CC(=O)c2c(cc(O)cc2O)O3

## Images



Chemical Structure - Apigenin, Anticancer agent  
(ab120141)

2D chemical structure image of ab120141, Apigenin, Anticancer agent



Functional Studies - Apigenin, Anticancer agent  
(ab120141)

Bauer et al PLoS One. 2017 Apr 25;12(4):e0175558.  
doi: 10.1371/journal.pone.0175558. eCollection 2017.  
Fig 2. Reproduced under the Creative Commons  
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**(A-D). The release of cytokines as assessed using Human Cytokine Array C1000 membranes from MDA-MB-231 cells  $\pm$  TNF $\alpha$   $\pm$  Apigenin. [A] Ctrls, [B] TNF $\alpha$ -treated (40ng/mL) [C] Apigenin (40 $\mu$ M) and [D] TNF $\alpha$ -treated (40ng/mL) + Apigenin (40 $\mu$ M) co-treated cells.**

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

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