

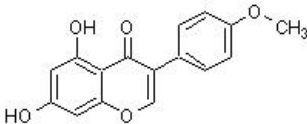
Product datasheet

Biochanin A, Isoflavone and phytoestrogen ab142834

Overview

| | |
|-------------------------------|---|
| Product name | Biochanin A, Isoflavone and phytoestrogen |
| Description | Isoflavone and phytoestrogen. Protects against L-glutamate-induced cytotoxicity and apoptosis <i>in vitro</i> . |
| Biological description | Isoflavone and phytoestrogen. Protects against L-glutamate-induced cytotoxicity and apoptosis <i>in vitro</i> . Inhibits iNOS expression <i>in vitro</i> . Fatty acid amide hydrolase inhibitor (IC ₅₀ = 1.8 μM). Anti-carcinogenic, anti-proliferative and anti-inflammatory agent. Active <i>in vivo</i> and <i>in vitro</i> . |
| Purity | > 98% |

Properties

| | |
|---------------------------|---|
| Chemical name | 5,7-Dihydroxy-3-(4-methoxyphenyl)chromen-4-one |
| Molecular weight | 284.27 |
| Chemical structure |  |

Molecular formula C₁₆H₁₂O₅

CAS Number 491-80-5

PubChem identifier 5280373

Storage instructions Store at +4°C. The product can be stored for up to 12 months.

Solubility overview Soluble in DMSO to 100 mM (with warming) and in ethanol to 25 mM (with warming)

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.

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Source *Trifolium pratense*

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

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