

## Product datasheet

# 7,8-Dihydroxyflavone (7,8-DHF) ab120996

### Overview

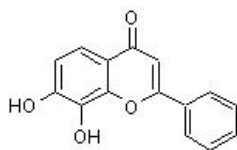
<b>Product name</b>	7,8-Dihydroxyflavone (7,8-DHF)
<b>Description</b>	Selective TrkB receptor agonist. Flavonoid.
<b>Biological description</b>	Selective TrkB receptor agonist. Flavonoid. Enhances synaptic plasticity <i>in vivo</i> and <i>in vitro</i> . Blood-brain barrier permeable.
<b>Purity</b>	> 99%

### Properties

**Chemical name** 7,8-Dihydroxy-2-phenyl-4H-1-benzopyran-4-one

**Molecular weight** 254.24

**Chemical structure**



**Molecular formula** C<sub>15</sub>H<sub>10</sub>O<sub>4</sub>

**CAS Number** 38183-03-8

**PubChem identifier** 1880

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

**Solubility overview** Soluble in ethanol to 25 mM and in DMSO 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.

**SMILES** Oc3ccc1c(OC(=CC1=O)c2ccccc2)c3O

**Source** Synthetic

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- 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

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