

Product datasheet

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

Overview

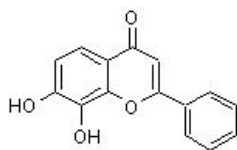
Product name	7,8-Dihydroxyflavone (7,8-DHF)
Description	Selective TrkB receptor agonist. Flavonoid.
Biological description	Selective TrkB receptor agonist. Flavonoid. Enhances synaptic plasticity <i>in vivo</i> and <i>in vitro</i> . Blood-brain barrier permeable.
Purity	> 99%

Properties

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

Molecular weight 254.24

Chemical structure



Molecular formula C₁₅H₁₀O₄

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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