Product datasheet

Vitexin (Apigenin 8-C-glucoside) ab144862

Overview

Product name
Vitexin (Apigenin 8-C-glucoside)

Description
Antioxidant agent. Potent glucosidase inhibitor. HIF-1 α inhibitor.

Biological description
Antioxidant agent. Potent glucosidase inhibitor (IC_{50} = 48 nM). HIF-1 α inhibitor. Inhibits TNF-α, IL-1β, IL-6, and IL-33 production. Shows antinociceptive, anti-inflammatory, and antioxidant effects in vivo.

Purity
> 98%

Properties

Chemical name
5,7-Dihydroxy-2-(4-hydroxyphenyl)-8-[(2S,3R,4R,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]chromen-4-one

Molecular weight
432.38

Chemical structure

![Chemical structure image]

Molecular formula
C_{21}H_{20}O_{10}

CAS Number
3681-93-4

PubChem identifier
5280441

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 water and in DMSO

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
C1=CC(=CC=C1C2=CC(=O)C3=C(O2)C(=C(C=C3O)O)[C@H](O)[C@@H]([C@H]@[C@H]@[C@H]@[C@H])
Source

Crataegus pinnatifida

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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