
Product Data Sheet

Product Name: Kaempferol-7-O- β -D-glucopyranoside

Cat. No.: GN10343

Chemical Properties

Cas. No. 16290-07-6

Chemical Name 3,5-dihydroxy-2-(4-hydroxyphenyl)-7-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxochromen-4-one

SMILES C1=CC(=CC=C1C2=C(C(=O)C3=C(C=C(C=C3O2)OC4C(C(C(C(O4)CO)O)O)O)O)O)O)O

Formula $C_{21}H_{20}O_{11}$

M.Wt

448.38

Solubility

Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT Condition, or blue ice upon request.

Structure

Background

Kaempferol-7-O- β -D-glucopyranoside is a flavonoid isolated from *Malus pumila* Mill. flowers, has antioxidative, anti-inflammatory and procoagulant activities [1][2][3].

References:

[1]. Yin Z, et al. Coagulatory active constituents of *Malus pumila* Mill. flowers. *Chem Cent J*. 2018 Dec 3;12(1):126.

[2]. Ma H, et al. A powerful on line ABTS+ -CE-DAD method to screen and quantify major antioxidants for quality control of Shuxuening Injection. *Sci Rep*. 2018 Apr 3;8(1):5441.

[3]. Xu J, et al. Antiinflammatory constituents from the roots of *Smilax bockii* warb. *Arch Pharm Res*. 2005 Apr;28(4):395-9.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
