

Product Data Sheet

Product Name: 5-O-Cinnamoylquinic acid

Cat. No.: GF20797

Chemical Properties

Cas. No. 6470-68-4

Formula C₁₆H₁₈O₇

M.Wt 322.31

Solubility

Storage -20°C

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, or blue ice upon request.

Structure



Background

(E)-5-O-Cinnamoylquinic acid is the isomer of 5-O-Cinnamoylquinic acid. 5-O-Cinnamoylquinic acid is a co-pigment. 5-O-Cinnamoylquinic acid could form the stable blue solution to clarify the mechanism of blue sepal-color development of hydrangea.

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

Product Data Sheet

[1]. Kondo T, et, al. Essential structure of co-pigment for blue sepal-color development of hydrangea. Tetrahedron Letters. 2005 Sep 26; 46(39): 6645-6649.

[2]. Hanson KR. Chlorogenic acid biosynthesis. Chemical synthesis and properties of the mono-O-cinnamoylquinic acids. Biochemistry. 1965 Dec;4(12):2719-31.

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