

Product Data Sheet

Product Name: 7,3',4'-Tri-O-methyluteolin

Cat. No.: GC35184

Chemical Properties

Cas. No. 29080-58-8

SMILES OC1=C2C(OC(C3=CC=C(OC)C(OC)=C3)=CC2=O)=CC(OC)=C1

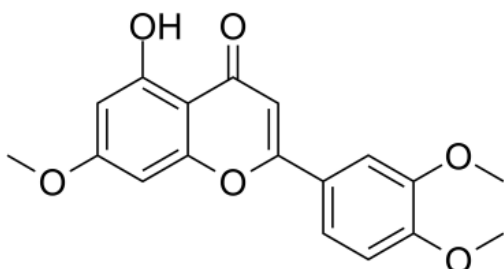
Formula $C_{18}H_{16}O_6$ M.Wt 328.32

Solubility DMSO : 20 mg/mL (60.92 mM; Need ultrasonic) Storage Store at -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

7,3',4'-Tri-O-methyluteolin (5-Hydroxy-3',4',7-trimethoxyflavone) is a flavonoid from the herb Lippia nodiflora L. (Verbenaceae) which has been documented to exhibit anti-inflammatory, antipyretic, antitussive, antidiabetic, anticancer, and antimelanogenesis properties. 7,3',4'-Tri-O-methyluteolin obviously reduces the prodn of pro-inflammatory cytokines, such as TNF- α , IL-6, and IL-1 β in a concentration-dependent manner. 7,3',4'-Tri-O-methyluteolin significantly induces reduction in the mRNA expressions of inducible nitric oxide synthase and cyclooxygenase-2, representing that

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

inhibition occurs at the transcriptional level[1]. TNF- α IL-6 IL-1 β

[1]. Sudha, A, et al. Protective effect of 5-hydroxy-3',4',7-trimethoxyflavone against inflammation induced by lipopolysaccharide in RAW 264.7 macrophage: in vitro study and in silico validation. Medicinal Chemistry Research, 2016,25(9), 1754-1767.

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