
Product Data Sheet

Product Name: Kaempferol-3,7-di-O- β -glucoside

Cat. No.: GC64519

Chemical Properties

Cas. No. 25615-14-9

Formula C₂₇H₃₀O₁₆

M.Wt

610.52

Solubility

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

Kaempferol-3,7-di-O- β -glucoside (Kaempferol 3,7-diglucoside), a flavonol, possesses enzyme inhibition property towards α -amylase, α -glucosidase and Acetylcholinesterase. Kaempferol-3,7-di-O- β -glucoside protects differentiating neuronal cells, SH-SY5Y from Amyloid β peptide-induced injury. Kaempferol-3,7-di-O- β -glucoside has the potential for Alzheimer's research[1].

Kaempferol-3,7-di-O- β -glucoside (Kaempferol 3,7-diglucoside; 0.1, 100 μ M) has effective inhibition in A β 1-42 fibril formation. Kaempferol-3,7-di-O- β -glucoside has less neurotoxicity on the cultured SH-SY5Y cells[1].

[1]. Pavithra Mettupalayam Kaliyannan Sundaramoorthy, et al. Extraction, isolation and identification of kaempferol 3,7 - Diglucoside in the leaf extracts of *Evolvulus alsinoides* (Linn.) and its inhibition potency against α -amylase, α -glucosidase, Acetylcholinesterase and amyloid aggregation. ORIGINAL ARTICLE, 2020, Volume : 16.

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

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