

Product Data Sheet

Product Name: Isoforsythiaside

Cat. No.: GC39032

Chemical Properties

Cas. No. 1357910-26-9

SMILES O[C@H]([C@@H]([C@@H](O)[C@H](C)O1)O)[C@H]1OC[C@@H]2[C@H]([C@@H]([C@@H](O)[C@H](OCCCC3=CC(O)=C(O)C=C3)O2)OC(/C=C/C4=CC(O)=C(O)C=C4)=O)O

Formula C₂₉H₃₆O₁₅ M.Wt 624.59

Solubility DMSO : 100 mg/mL (160.11 mM; Storage Store at -20°C, protect from light
Need ultrasonic)

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.

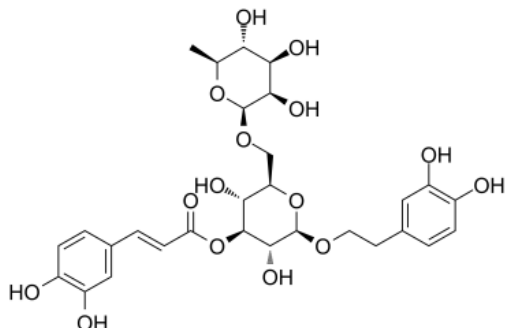
Caution: Product has not been fully validated for medical applications. For research use only.

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

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

Product Data Sheet

Structure



Background

Isoforsythiaside, isolated from *Forsythia suspensa*, is an antioxidant and antibacterial phenylethanoid glycoside with MICs of 40.83, 40.83, and 81.66 $\mu\text{g/mL}$ for *Escherichia coli* (E. coli), *Pseudomonas aeruginosa* (PAO), and *Staphylococcus aureus* (SA), respectively[1].

[1]. Qu H, et al. Isoforsythiaside, an antioxidant and antibacterial phenylethanoid glycoside isolated from *Forsythia suspensa*. *Bioorg Chem.* 2012 Feb;40(1):87-91.

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