
Product Data Sheet

Product Name: Episyringaresinol 4'-O-β-D-glucopyranoside

Cat. No.: GC38569

Chemical Properties

Cas. No. 137038-13-2

SMILES O[C@H]([C@H]([C@@H]([C@@H](CO)O1)O)O)[C@@H]1OC2=C(OC)C=C([C@@H]3OC[C@]4([H])[C@@]3([H])CO[C@H]4C5=CC(OC)=C(O)C(OC)=C5)C=C2OC

Formula C₂₈H₃₆O₁₃ M.Wt 580.58

Solubility DMSO : 100 mg/mL (172.24 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**

Episyringaresinol 4'-O-β-D-glucopyranoside (compound 22), isolated from *Alhagi sparsifolia* Shap, is a natural potential neuroinflammatory inhibitor[1].

Episyringaresinol 4'-O-β-D-glucopyranoside inhibits NO production in LPS-induced N9 microglial cells dramatically in a dose independent manner with an IC₅₀ of 91.50 μM.

[1]. Zhou D, et al. Natural potential neuroinflammatory inhibitors from *Alhagi sparsifolia* Shap. *Bioorg Med Chem Lett*. 2017 Feb 15;27(4):973-978.

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

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