
Product Data Sheet

Product Name: 6"-O-Acetylgenistin

Cat. No.: GC39694

Chemical Properties

Cas. No. 73566-30-0

SMILES O=C1C(C2=CC=C(O)C=C2)=COC3=CC(O[C@H]4[C@@H]([C@H]([C@@H]([C@@H](CO(C)=O)O4)O)O)O)=CC(O)=C13

Formula C₂₃H₂₂O₁₁

M.Wt

474.41

Solubility Soluble in DMSO

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**

6"-O-Acetylgenistin is an isoflavone glycoside isolated from soybeans. 6"-O-Acetylgenistin significantly inhibits lipid peroxidation in rat liver microsome with an IC₅₀ of 10.6 μM[1][2].

[1]. Shigemitsu KUDOU, et al. Shigemitsu KUDOU, et al. Malonyl Isoflavone Glycosides in Soybean Seeds (Glycine max MERRILL). Agric. Biol. Chem., 1991;55 (9), 2227-2233. [2]. Lee SJ, et al. An antioxidant lignan and other constituents from the root bark of Hibiscus syriacus. Planta Med. 1999 Oct;65(7):658-60.

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

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