

Product Data Sheet

Product Name: Swertisin

Cat. No.: GC37708

Chemical Properties

Cas. No. 6991-10-2

SMILES O=C1C=C(C2=CC=C(O)C=C2)OC3=CC(OC)=C([C@H]4[C@@H]([C@H]([C@@H]([C@@H]([C@H]4CO)O)O)O)C(O)=C13

Formula $C_{22}H_{22}O_{10}$

M.Wt 446.4

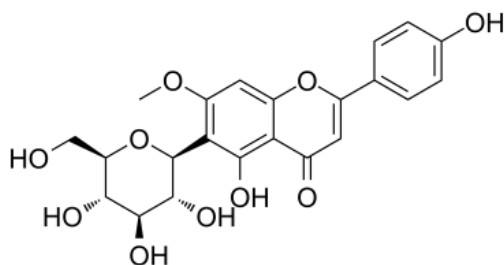
Solubility Soluble in DMSO

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

Swertisin, a C-glucosylflavone isolated from *Swertia japonica*, is known to have antidiabetic, anti-inflammatory and antioxidant effects. Swertisin is an adenosine A1 receptor antagonist [1][2].

[1]. Oh HK, et al. Swertisin ameliorates pre-pulse inhibition deficits and cognitive impairment induced by MK-801 in mice. *J Psychopharmacol.* 2017 Feb;31(2):250-259. [2]. Lee HE, et al. Swertisin, a C-glucosylflavone, ameliorates scopolamine-induced memory impairment in mice with its adenosine A1

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

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receptor antagonistic property. Behav Brain Res. 2016 Jun 1;306:137-45.

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