

Sophoricoside

Catalog No: tcsc0008948



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

152-95-4

Formula:

$C_{21}H_{20}O_{10}$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 150 mg/mL (346.92 mM)

Observed Molecular Weight:

432.38

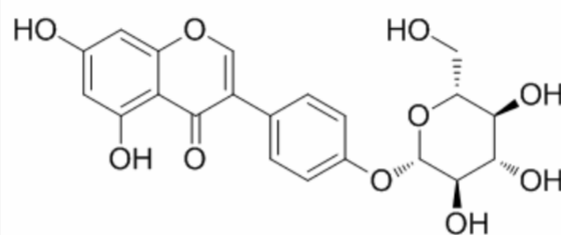
Product Description

Sophoricoside is an isoflavone glycoside isolated from *Sophora japonica* and has anti-inflammatory, anti-cancer and immunosuppressive effects.

In Vitro:

Sophoricoside is an isoflavone glycoside isolated from *Sophora japonica* and has anti-inflammatory, anti-cancer and immunosuppressive effects. The results show that Sophoricoside (50 μM) significantly inhibits the PMACI-induced histamine release. The inhibition rate reaches up to 30.24%. The maximal rates of TNF- α , IL-8 and IL-6 inhibition by Sophoricoside (50 μM) are approximately 31.42%, 43.43% and 34.24%, respectively. The rates of the levels of Rel/p65 inhibition in nuclear by Sophoricoside (50 μM) is approximately 50.14%. Results show that the enhanced caspase-1 activity induced by PMACI is significantly reduced by Sophoricoside in a dose-dependent manner^[1].

In Vivo: When the Sophoricoside is orally administered 1 h before compound 48/80 injections, the scratching behaviors is reduced. The inhibition rate of Sophoricoside (2 mg/kg) is approximately 41.21%. Orally administered Sophoricoside inhibits the scratching behaviors by 47.31%. When mice are treated for 2 weeks with Sophoricoside, the atopic dermatitis is recovered to a significant extent^[1].



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