

Formononetin, Increases adipocyte thermogenesis

Catalog	Unit
TBI2252-20MG	20mg
TBI2252-100MG	100mg

Product Details

Formal Name: 7-hydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one

Alternate Names: 7-Hydroxy-4'-methoxyisoflavone; Biochanin B; Neochanin; NSC 93360; Formononetol

Molecular Formula: C₁₆H₁₂O₄

Formula Weight: 268.26

CAS Number: 485-72-3

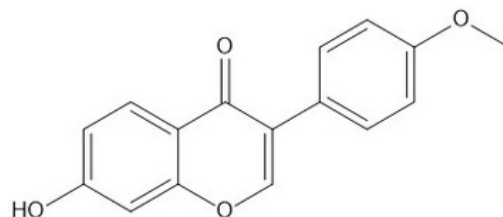
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 100 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Increases adipocyte thermogenesis

Functions

A naturally occurring isoflavone isolated from Astragalus and other plants. Increases adipocyte thermogenesis by modulating PPAR γ activity.¹ Activates AMP-activated protein kinase/ β -catenin signaling to inhibit adipogenesis. Accelerates wound repair by increasing expression of Egr-1 transcription factor. Potential cancer chemopreventive and chemotherapeutic. Provides neuroprotection against traumatic brain injury by inhibition of neuroinflammation in a rat model.

Application Procedures

First dissolved in DMSO (up to 100 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.