

Honokiol, SIRT3 activator

Catalog	Unit
TBI2311-10MG	10 mg
TBI2311-50MG	50 mg

Product Details

Formal Name: 3',5-Diallyl-[1,1'-biphenyl]-2,4'-diol

Alternate Names: NSC-293100

Molecular Formula: C₁₈H₁₈O₂

Formula Weight: 266.30

CAS Number: 35354-74-6

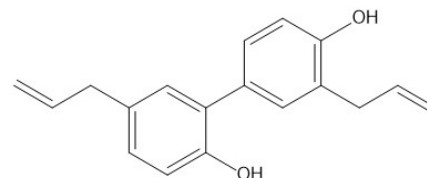
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

SIRT3 activator

Functions

Natural product that acts as a SIRT3 activator. It increases mitochondrial oxygen consumption and reduces ROS production in wild type but not SIRT3-KO cells. It reversed cardiac hypertrophy in mice and rescued myocardial and mitochondrial energetics in type 2 diabetic rats. It was shown to increase SIRT3 expression in the hippocampus and attenuated surgery-induced memory loss, neuronal apoptosis, neuroinflammation and oxidative damage. It increases expression of adipocyte gene markers, gene-involved lipolysis and glucose transport and in general, promotes insulin sensitivity.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.