Product Name: Echinacoside
CAS No.: 82854-37-3
Cat. No.: HY-N0020
MWt: 786.73
Formula: C35H46O20
Purity: >98%
Solubility: DMSO

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
Echinacoside is a natural polyphenolic compound, has various kinds of pharmacological activities, such as antioxidative, anti-inflammatory, neuroprotective, hepatoprotective, nitric oxide radical-scavenging and vasodilative ones.

IC50 value:
Target: in vitro: Echinacoside (ECH) dose dependently inhibited HEWL aggregation, and this inhibition occurred in different fiber-forming stages. ECH could also scavenge the DPPH and OH free radicals in a concentration-dependent manner. ECH could increase viability of rat pheochromocytoma PC12 cells injured by Aβ and suppress the increase in intracellular reactive oxygen species (ROS) triggered by Aβ [1]. Transient treatment with echinacoside inhibits cytochrome c release and caspase-3 activation caused by ensuing rotenone exposure via activating Trk-extracellular signal-regulated kinase (ERK) pathway in neuronal cells [2]. ECH cau...

References:

Caution: Not fully tested. For research purposes only
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