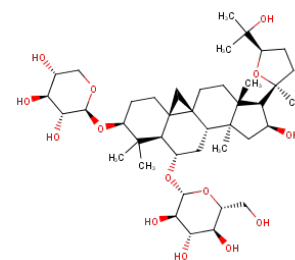


Catalog Number: CM05146

产品信息

Catalog Number:
CM05146CAS号:
83207-58-3分子式:
 $C_{41}H_{68}O_{14}$ 主要靶点:
Calcium Channel主要通路:
离子通道|代谢分子量:
784.97溶解度:
DMSO:93 mg/mL (118.5 mM), Ethanol:<1 mg/mL, H₂O:<1 mg/mL

体外活性

Astragaloside IV improves post-ischemic heart function and ameliorated reperfusion arrhythmias accompanied by a significant increase in myocardial antioxidative enzyme superoxide dismutase activity in rat hearts in vitro. While, Astragaloside IV's protective effect on heart function can be partially abrogated by the nitric oxide synthase inhibitor, Nomega-nitro-L-arginine methyl ester. [1]

体内活性

Astragaloside IV significantly reduces infarct size in dogs subjected to coronary ligation in vivo. [1] Astragaloside IV attenuates isoproterenol-induced subendocardial necrosis, serum lactate dehydrogenase and creatine kinase activation, and lipid oxide product malondialdehyde formation in rats. It also reduces sarcoplasmic reticulum Ca(2+)-uptake ability and Ca(2+)-ATPase (SERCA2a) activity as well as SERCA2a mRNA expression in myocardial injury rats. [2]

描述

Astragaloside A (Astragaloside IV) is the primary pure saponin isolated from Astragalus membranaceus, which has been widely used for the therapy of cardiovascular diseases.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years