

# Product Information

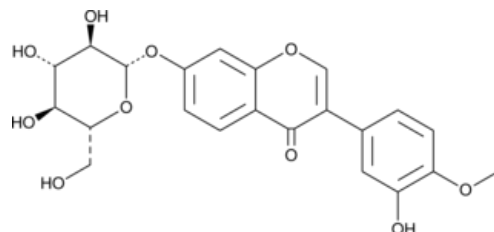


## Calycosin 7-O- $\beta$ -D-Glucoside

Cat No: 25095 - 1 mg

### General Data

Shipping:	dry ice
Formulation:	A lyophilisate
Purity:	$\geq 98\%$



### Product Overview

Calycosin 7-O- $\beta$ -D-glucoside is an isoflavone glycoside that has been isolated from *A. mongholicus* and *A. membranaceus* and has antioxidant, anti-inflammatory, and neuroprotective biological activities.{43143,43144,43145} It scavenges 34.5% of generated 2,2-diphenyl-1-picrylhydrazyl (DPPH; Item No. 14805) radicals compared to a vehicle control when used at a concentration of 100  $\mu\text{g/ml}$  in a cell-free assay.{43143} Calycosin 7-O- $\beta$ -D-glucoside (10  $\mu\text{g/ml}$ ) inhibits cytotoxicity, intracellular reactive oxygen species (ROS) production, and cytoskeletal defects induced by LPS in human umbilical vein endothelial cells (HUVECs).{43144} In vivo, calycosin 7-O- $\beta$ -D-glucoside (26.8 mg/kg) reduces brain infarct volume in a rat model of ischemia-reperfusion injury induced by middle cerebral artery occlusion (MCAO).{43145}

FP/03/24

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