

# Product Information

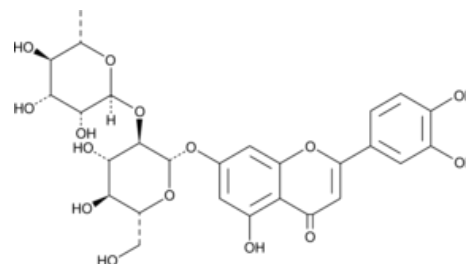


## Lonicerin

Cat No: 25148 - 500 µg

### General Data

Shipping:	dry ice
Formulation:	A crystalline solid
Purity:	≥98%



### Product Overview

Lonicerin is a flavonoid that has been found in *L. japonica* and has diverse biological activities, including antioxidant, anti-inflammatory, and neuroprotective properties.<sup>{45090,45091,45092}</sup> Lonicerin inhibits xanthine oxidase ( $IC_{50} = 37.4 \mu\text{g/ml}$ ) and scavenges 2,2-diphenyl-1-picrylhydrazyl (DPPH; Item No. 14805), hydroxyl, and superoxide radicals ( $IC_{50}$ s = 9.2, 236.8, and  $143.9 \mu\text{g/ml}$ , respectively).<sup>{45091}</sup> It reduces paw edema in a mouse model of *C. albicans* cell wall- and complete Freund's adjuvant-induced arthritis when administered at doses of 1 and 2 mg/kg three times every other day.<sup>{45090}</sup> It also decreases nitric oxide (NO) production and T cell proliferation in vitro when used at concentrations of 20 and 40 µg/ml, respectively. Lonicerin is neuroprotective against glutamate-induced neurotoxicity in rat primary cortical neurons.<sup>{45092}</sup>

FP/29/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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