

**Product Name:** Ligustroside

**Cat. No.:** NATM-2505-CXX-123

**Package:** 1 mg/5 mg/10 mg

## Description

Ligustroside (Ligstroside), a secoiridoid derivative, significantly improves mitochondrial bioenergetics in early Alzheimer's disease (AD) and brain aging models, possibly without interfering with A $\beta$  production. It also significantly inhibits nitric oxide production in LPS-activated RAW264.7 macrophages.

## Product Details

**Synonyms:** Ligstroside

**Purity:** 0.98

**Formula:** C<sub>25</sub>H<sub>32</sub>O<sub>12</sub>

**Molecular Weight:** 524.51

**SMILES:** OC(C=C1)=CC=C1CCOC(C[C@H]2/C([C@@H](OC=C2C(OC)=O)O[C@@H]3O[C@@H]([C@@H]([C@@H]([C@H]3O)O)O)CO)=C\C)=O

**Appearance:** Solid

**Color:** White to off-white

**Biological Target:** Mitochondrial Metabolism

**Initial Source:** Plants; Oleaceae; Ligustrum japonicum Thunb.

**Shipping Conditions:** Room Temperature

**Storage Information:** Powder: -80°C, 2 years; -20°C, 1 years. In solvent: -80°C, 6 months; -20°C, 1 month

 For preclinical research and development use only; not intended for therapeutic or other applications.