

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 β production. It also significantly inhibits nitric oxide production in LPS-activated RAW264.7 macrophages.

Product Details

Synonyms: Ligstroside

Purity: 0.98

Formula: C₂₅H₃₂O₁₂

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](OC([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.