

## CF-Carvacrol

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	CF-Carvacrol is an orally active lipid-lowering agent synthesized by combining Carvacrol and Clofibrilic acid. It shows strong affinity for PPAR- $\alpha$ and demonstrates significant hypolipidemic activity. Additionally, CF-Carvacrol exerts antioxidant and anti-inflammatory effects by activating the Nrf2/HO-1 signaling pathway, thereby alleviating liver damage. This compound is applicable in research on liver injury induced by cystic fibrosis.
Targets(IC50)	Nrf2, Interleukin, PPAR
In vivo	CF-Carvacrol, administered orally at doses of 46.3-185.2 mg/kg (0.1335-0.534 mmol/kg) daily for 7 days, demonstrates a significant dose-dependent lipid-lowering effect in hyperlipidemic Kunming (KM) mice. Furthermore, at a dose of 572.3 g/kg (1.65 mol/kg) given daily for one month, it reduces plasma levels of AST, ALT, and AKP, alleviates oxidative stress and inflammation, and improves liver tissue morphology in KM mice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481