

LXR agonist 4

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	LXR agonist4 is a selective LXR inverse agonist, with IC50 values of 7.6 μ M for LXR α and 2.9 μ M for LXR β . It exhibits selectivity for ROR α and FXR. Additionally, LXR agonist4 markedly inhibits the expression of SREBP1c without affecting the expression of ABCA1 or APOE. It possesses anti-lipogenic properties and can prevent fat accumulation induced by fatty acids. This compound is useful for research in atherosclerosis and metabolic dysfunction-associated steatotic liver disease (MASLD).
In vitro	LXR agonist 4 (compound 3) at a concentration of 30 μ M does not inhibit the proliferation of HEK293T or HepG2 cells over a period of 4 to 24 hours. When applied for 24 hours, this compound suppresses the expression of SREBP1c in HepG2 cells without altering the levels of ABCA1 or APOE. After 72 hours of treatment, LXR agonist 4 demonstrates anti-adipogenic properties and effectively mitigates fatty acid-induced steatosis in HepG2 cells.

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