

Fexaramine, FXR agonist

Catalog	Unit
TBI4897-5MG	5 mg
TBI4897-25MG	25 mg

Product Details

Formal Name: Methyl (E)-3-[3-[cyclohexanecarbonyl-[[4-[4-(dimethylamino)phenyl]phenyl]methyl]amino]phenyl]prop-2-enoate

Molecular Formula: C₃₂H₃₆N₂O₃

Formula Weight: 496.6

CAS Number: 574013-66-4

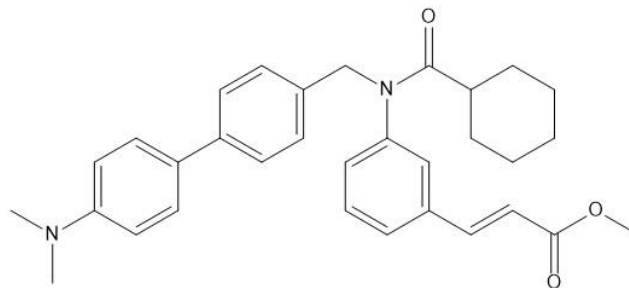
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (> 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years



Applications

FXR agonist

Functions

Potent (EC₅₀ = 25 nM) and selective agonist of the nuclear bile acid receptor FXR. It significantly enhanced osteoblastic differentiation and suppressed osteoclast differentiation from bone marrow macrophages. Induces enteric FGF15 and reduces diet-induced weight gain, body-wide inflammation, and hepatic glucose production while enhancing thermogenesis and browning of white adipose tissue. It protected mice from ethanol-induced liver injury and decreased lipid accumulation via hepatic fatty acid oxidation.

Application Procedures

First dissolved in DMSO (> 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.