

6-ECDCA (Obeticholic acid), FXR agonist

Catalog	Unit
TBI2838-10MG	10 mg
TBI2838-50MG	50 mg

Product Details

Formal Name: 3 α -7 α -dihydroxy-6 α -ethyl-5 β -cholan-24-oic acid

Alternate Names: 6-Ethylchenodeoxycholic acid; 6-ECDCA

Molecular Formula: C₂₆H₄₄O₄

Formula Weight: 420.63

CAS Number: 459789-99-2

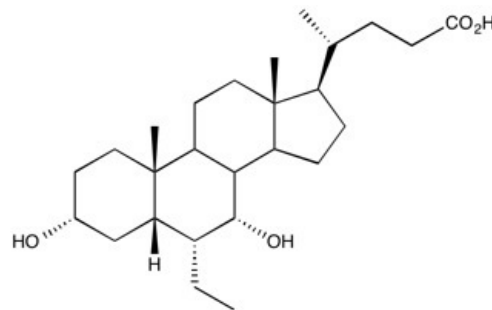
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 25 mg/ml)

Storage: -20°C

Stability: \geq 1 year.



Applications

FXR agonist

Functions

A novel cholic acid analog which acts as a potent and selective FXR agonist (EC₅₀= 99 nM). Displays anticholeretic activity in a rat model of cholestasis. Promotes adipocyte differentiation and regulates adipose cell function. Normalizes insulin sensitivity in a rabbit model of metabolic syndrome. A potentially new therapeutic agent for management of non-alcoholic fatty liver disease and NASH. Displays therapeutic benefit in patients with primary biliary cirrhosis. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.