

5 α ,6 α -Epoxycholesterol, LXR ligand

Catalog	Unit
TBI4545-25MG	25mg
TBI4545-100MG	100mg

Product Details

Formal Name: Cholestan-5 α ,6 α -epoxy-3 β -ol

Molecular Formula: C₂₇H₄₆O₂

Formula Weight: 402.65

CAS Number: 1250-95-9

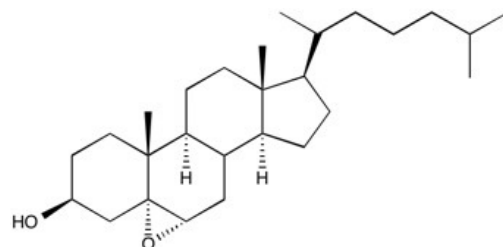
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 mg/ml).

Storage: -20°C

Stability: \geq 1 year.



Applications

LXR ligand

Functions

5 α ,6 α -Epoxycholesterol is a naturally occurring metabolite of cholesterol. It is a major oxysterol found in processed food and has been implicated in atherosclerosis. 5 α ,6 α -Epoxycholesterol has been found to be an endogenous ligand for LXR (EC₅₀ = 76 nM).

Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 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.