

Catalog	Unit
TBI2027-20MG	20mg
TBI2027-100MG	100mg

Product Details

Formal Name: (3R,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)azetidine-2-one

Alternate Names: SCH 58235; Ezetrol

Molecular Formula: C₂₄H₂₁F₂NO₃

Formula Weight: 409.43

CAS Number: 163222-33-1

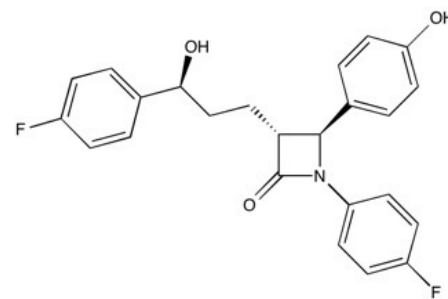
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 15 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

Cholesterol absorption inhibitor

Functions

Inhibits cholesterol absorption in the intestine by preventing cholesterol uptake by the Niemann-Pick C1-like 1 (NPC1L1) protein, a cholesterol transporter. Undergoes rapid glucuronidation in the intestine where its glucuronide binds NPC1L1. Inhibits dengue virus infection in Huh-7 cells by blocking cholesterol transport. Ameliorates steatohepatitis by activation of autophagy and inhibition of NLRP3 inflammasome.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 3 months.

For research use only.