

S-8921

Catalog No: tcsc0015040

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Specifications

CAS No:

151165-96-7

Formula:

C₃₀H₃₆O₉

Pathway:

Others

Target:

Others

Purity / Grade:

Solubility:

10 mM in DMSO

Observed Molecular Weight:

540.6

Product Description

S-8921 is an ileal Na⁺/bile acid cotransporter (**IBAT**) inhibitor.

IC50 & Target: IBAT^[1]

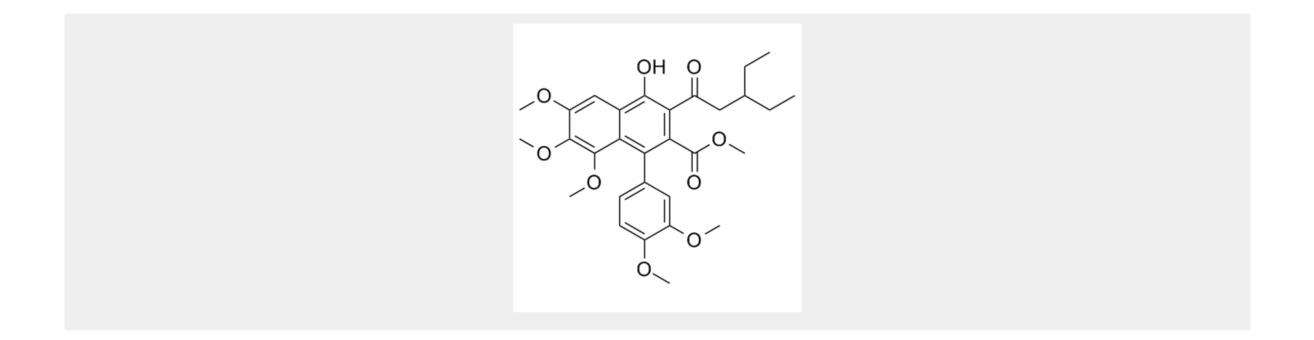
In Vitro:

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S-8921 is an ileal Na⁺/bile acid cotransporter (IBAT) inhibitor. S-8921 inhibits the uptake velocity of 60 μ M [³H] taurocholate dosedependently in IBAT-COS cells, and the IC₅₀ value of S-8921 is 66±8 μ M^[1].

In Vivo: Seven-day treatment with S-8921 causes a dramatic decrease of serum cholesterol concentrations in hamsters. The hypocholesterolemic effects of S-8921 are dose-dependent, but S-8921 does not affect body weight. An increase of fecal bile acid excretion is observed especially at higher doses of S-8921^[1]. S-8921 treatment for 1 to 2 weeks causes a decrease in serum total cholesterol concentrations, with 0.01% S-8921 (4.0 to 4.6 mg/kg) being almost maximally effective^[2].



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