

# S-8921

# Catalog No: tcsc0015040

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

**Specifications** 

#### CAS No:

151165-96-7

### Formula:

C<sub>30</sub>H<sub>36</sub>O<sub>9</sub>

#### Pathway:

Others

#### **Target:**

Others

Purity / Grade:

## Solubility:

10 mM in DMSO

#### **Observed Molecular Weight:**

540.6

### **Product Description**

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

IC50 & Target: IBAT<sup>[1]</sup>

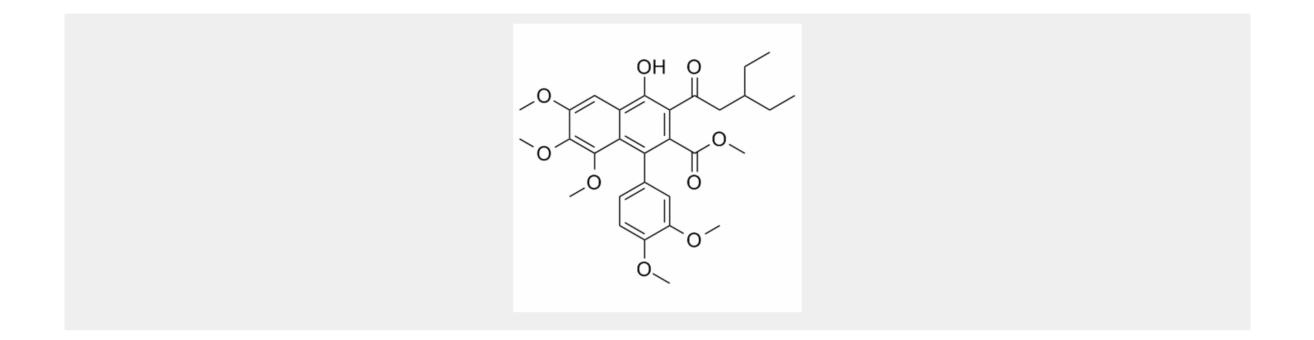
In Vitro:

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S-8921 is an ileal Na<sup>+</sup>/bile acid cotransporter (IBAT) inhibitor. S-8921 inhibits the uptake velocity of 60  $\mu$ M [<sup>3</sup>H] taurocholate dosedependently in IBAT-COS cells, and the IC<sub>50</sub> value of S-8921 is 66±8  $\mu$ M<sup>[1]</sup>.

*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<sup>[1]</sup>. 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<sup>[2]</sup>.



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