

S-8921

Catalog No: tcsc0015040



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

151165-96-7

Formula:

$C_{30}H_{36}O_9$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

540.6

Product Description

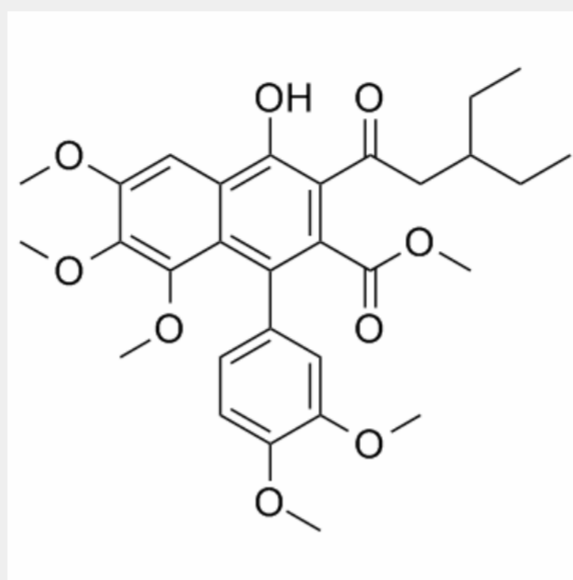
S-8921 is an ileal Na⁺/bile acid cotransporter (**IBAT**) inhibitor.

IC50 & Target: IBAT^[1]

In Vitro:

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



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!