Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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:

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S-8921 is an ileal Na^+/bile acid cotransporter (IBAT) inhibitor. S-8921 inhibits the uptake velocity of 60 μM [^{3}H] taurocholate dose-dependently in IBAT-COS cells, and the IC_{50} 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].