
Product Data Sheet

Product Name: TA-7552
Cat. No.: GC32609

Chemical Properties

Cas. No. 104756-72-1

SMILES O=C(C1=C(C(OC)=O)C(C2=CC=C(OC)C(OC)=C2)=C3C(OC)=C(OC)C(OC)=CC3=C1O)OC

Formula $C_{25}H_{26}O_{10}$ M.Wt 486.47

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure

Protocol**Animal experiment:**

Male Sprague-Dawley rats (4 weeks of age) are used in this experiment. In the mechanism study, rats are divided into two or three groups of 4 to 6 animals so that the mean body weight, which varies from 210 g to 330 g, is similar between the groups. The experimental groups are treated with TA-7552 (0.1% in CE-2 powder) or cholestyramine (5% in CE-2 powder) by feeding the diet ad libitum for a period of time; The control groups are fed CE-2 powder. When the feces are collected, the animals are individually housed in a metabolic cage, and the collected feces are lyophilized and stored at $-20^{\circ}C$ [1].

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

[1]. Takashima K, et al. The hypocholesterolemic action of TA-7552 and its effects on cholesterol metabolism in the rat. *Atherosclerosis*. 1994 Jun;107(2):247-57.

Background

TA-7552 is a potent cholesterol-lowering agent.

TA-7552 is a potent cholesterol-lowering agent. When TA-7552 is mixed with unsupplemented CLEA CE-2 powder in a concentration of 0.05% and administered to rats for 7 days, TA-7552 does not reduce the normal level of serum cholesterol. The hypocholesterolemic effect of TA-7552 is apparent at the lowest concentration (0.01%) of the drug in the diet, corresponding to a daily dose of ~10 mg/kg body weight, and maximal at the highest concentration of 0.2% TA-7552, lowering serum total cholesterol by 72% while elevating serum HDL cholesterol by 88%. TA-7552 also dose dependently suppresses this rise of hepatic cholesterol, and its lowering rate at the maximal dose is 90%[1].

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