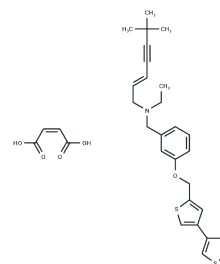


NB-598 Maleate

Chemical Properties

CAS No. :	155294-62-5
Formula:	C ₃₁ H ₃₅ NO ₅ S ₂
Molecular Weight:	565.74
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	NB-598 Maleate is a competitive squalene epoxidase (SE) inhibitor.
Targets(IC50)	Others
In vitro	NB-598, an inhibitor of squalene epoxidase, on cholesterol absorption from the intestinal epithelia. NB-598 (10 microM) inhibited the synthesis of sterol and sterol ester from [14C]acetate without affecting the synthesis of other lipids such as phospholipids (PL), free fatty acids (FFA) and triacylglycerol (TG). When labeled lipid was apically loaded as a micellar lipid solution into Caco-2 cell cultures, NB-598 reduced basolaterally secreted radioactivity in cholesterol, cholesterol ester, PL and TG[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (176.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7676 mL	8.838 mL	17.676 mL
5 mM	0.3535 mL	1.7676 mL	3.5352 mL
10 mM	0.1768 mL	0.8838 mL	1.7676 mL
50 mM	0.0354 mL	0.1768 mL	0.3535 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Xia F, et al. Inhibition of cholesterol biosynthesis impairs secretion and voltage-gated calcium channel function in pancreatic beta-cells. *Endocrinology*. 2008 Oct;149(10):5136-45.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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