Amidepsine A

DGAT inhibitor

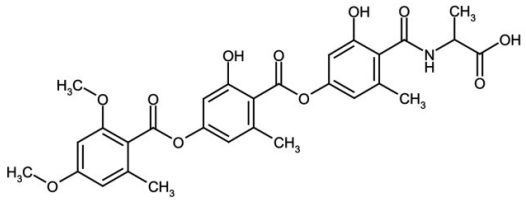
Inhibitor of diacylglycerol acyltransferase (DGAT). Shows inhibitory effect in rat liver microsomes (IC_{50}=10.2μM) and Raji cells (IC_{50}=15.5μM). Excessive accumulation of triacetylglycerol produced by DGAT may cause fatty liver, obesity and hypertriglyceridemia, which may lead to atherosclerosis, diabetes and metabolic disorders.

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ALX-380-262-M001	1mg

Manuals, SDS & CofA View Online »


OH
O
CH3
OH
N
H
O
OH
O
O
H3C
O
O
O
CH3
CH3
H3C
O
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Pale white to pale yellow powder.
CAS	169181-28-6
Couple Target	DGAT
Couple Type	Inhibitor
Formula	$C_{29}H_{29}NO_{11}$
MW	567.6
Purity	≥95% (HPLC)
Solubility	Soluble in methanol, ethyl acetate or benzene; insoluble in water or hexane.
Source	Isolated from fungal strain FO-2943.

Last modified: May 29, 2024

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