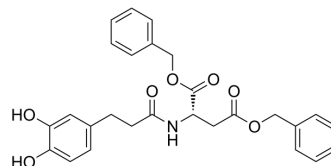


LDL-IN-4

Cat. No.:	HY-119265
CAS No.:	615264-62-5
Molecular Formula:	C ₂₇ H ₂₇ NO ₇
Molecular Weight:	477.51
Target:	Acyltransferase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LDL-IN-4 (Compound 2) inhibits human acyl-CoA:cholesterol acyltransferase-1 and -2 activities. LDL-IN-4 inhibits copper-mediated low density lipoprotein (LDL) oxidation, with an IC ₅₀ of 3 μM. LDL-IN-4 has anti-atherosclerotic biological activity ^[1] .
IC ₅₀ & Target	Low Density Lipoprotein (LDL) ^[1]

REFERENCES

[1]. Lee S, et al. Synthesis of cinnamic acid derivatives and their inhibitory effects on LDL-oxidation, acyl-CoA:cholesterol acyltransferase-1 and -2 activity, and decrease of HDL-particle size. *Bioorg Med Chem Lett*. 2004 Sep 20;14(18):4677-81.

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

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