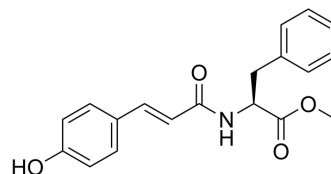


## LDL-IN-1

Cat. No.:	HY-118486
CAS No.:	615264-52-3
Molecular Formula:	C <sub>19</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	325.36
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-1 (Compound 1) is an antioxidant, and is active against copper mediated LDL oxidation (IC<sub>50</sub> = 52 μM). LDL-IN-1 is also an Acyl-CoA:cholesterol acyltransferase-1 and -2 (ACAT-1/2) inhibitor, with IC<sub>50</sub>s of 60 μM. LDL-IN-1 can be used for anti-atherosclerotic research<sup>[1]</sup>.

## 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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