**Product datasheet**

**CAY10487, Antioxidant and antiatherogenic agent**

**ab144462**

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**Overview**

**Product name**
CAY10487, Antioxidant and antiatherogenic agent

**Description**
Antioxidant and antiatherogenic agent

**Biological description**
Antioxidant and antiatherogenic agent. Selectively inhibits high dietary cholesterol-induced arterial fatty deposits without affecting plasma lipid profiles or inhibiting ACAT-1 or ACAT-2 activity. Inhibits copper-mediated LDL oxidation. Shows antiatherosclerotic effects *in vivo*.

**Purity**
> 98%

**CAS Number**
778624-05-8

**Chemical structure**

![Chemical structure](image)

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**Properties**

**Chemical name**
Methyl (S)-2-[[(2E)-3-(3,4-dihydroxyphenyl)prop-2-enoyl]amino]propanoate

**Molecular weight**
265.27

**Molecular formula**
C₁₃H₁₅NO₅

**Storage instructions**
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**
Soluble in ethanol to 100 mM and in DMSO to 100 mM

**Handling**
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be usable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**SMILES**
Oc1ccc(C=C/C(=O)NC(C)C(=O)OC)cc1O

**Source**
Synthetic
Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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