Product Information

CAY10485
Item No. 10006482

CAS Registry No.: 615264-62-5
Formal Name: N-[3-(3,4-dihydroxyphenyl)-1-oxopropyl]-
L-aspartic acid, bis(phenylmethyl) ester
Synonym: 3,4-dihydroxy Hydrocinnamic acid
MF: C27H27NO7
FW: 477.5
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λmax: 208, 243, 299, 326 nm

Laboratory Procedures
For long term storage, we suggest that CAY10485 be stored as supplied at -20°C. It should be stable for at least two years.

CAY10485 is supplied as a crystalline solid. A stock solution may be made by dissolving the CAY10485 in an organic solvent purged with an inert gas. CAY10485 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of CAY10485 in these solvents is approximately 20 mg/ml.

CAY10485 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, CAY10485 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. CAY10485 has a solubility of approximately 0.25 mg/ml in a 1:3 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Acyl-coenzyme A: cholesterol acyltransferase-1 and -2 (ACAT-1 and ACAT-2) catalyze the formation of cholesterol esters from cholesterol and long chain fatty acyl-coenzyme A, and may play a role in the development of atherosclerosis.1,2 CAY10485 inhibits human ACAT-1 and ACAT-2 with an IC50 values of 95 and 81 µM, respectively.3 It also inhibits copper-mediated oxidation of low density lipoproteins by 91% at a concentration of 2 µM.3

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/10006482

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY; NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals herein. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees. Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give such notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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