

Z-Ala-Ala-Asn-MCA Substrate

Z-Ala-Ala-Asn-MCA

CATALOG #
AAA60620

PRODUCT SYNONYMS

Z-Ala-Ala-Asn-MCA; Z-Ala-Ala-Asn-MCA substrate

PRODUCT SPECIFICATIONS

Formula	$C_{28}H_{31}N_5O_8$
Specific Optical Rotation	$[\alpha]_D^{16} \sim -12.7^\circ$ (c* 0.96, DMF) *c value was calculated from the net peptide weight.
Elemental Analysis	Found : C, 58.84 ; H, 5.76 ; N, 11.61 %
Amino Acid Analysis	Acid Hydrolysis: 6M HCL, 110°C , 22h. Asp (1) 1.00; Ala (2) 2.07; NH ₃ (1) 1.00
Thin Layer Chromatography	Layer: Silica Gel 60 Application: 100 ug Solvent System: CHCl ₃ : MeOH: AcOH=85:15:5 CHCl ₃ : MeOH: AcOH: H ₂ O=10:10:1:10 (lower phase) Located by iodine and HBr/ninhydrin reagent
Preparation and Storage	Store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for Z-Ala-Ala-Asn-MCA substrate	Substrate for Legumain A.A. Kembhavi, D.J. Buttle, C.G. Knight, and A.J. Barret, Arch. Biochem. Biophys., 303, 208 (1993). J.-M. Chen, P.M. Dando, N.D. Rawlings, M.A. Brown, N.E. Young, R.A. Stevens, E. Hewitt, C. Watts, and A.J. Barret, J. Biol. Chem., 272, 8090 (1997). Grade A B. Manoury, E.W. Hewitt, N. Morrice, P.M. Dando, A.J. Barret, and C. Watts, Nature, 396, 695 (1998). S.J. Choi, S.V. Reddy, R.W. Devlin, C. Menaa, H. Chung, B.F. Boyce, and G.D. Roodman, J. Biol. Chem., 274, 27747 (1999). P.M. Dando, M. Fortunato, L. Smith, C.G. Knight, J.E. McKendrick, and A.J. Barret, Biochem. J., 339, 743 (1999). Grade A
Product Categories/Family for Z-Ala-Ala-Asn-MCA substrate	Enzyme Substrate

NCBI AND UNIPROT INFORMATION

Molecular Weight	565.57
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/substrate/z-ala-ala-asn-mca/60620>