



PRODUCT DATA SHEET

Product: MMP Substrate-5

Cat. No: AC-055 (3 mg)

Description:

Matrix Metalloprotease Substrate-5.

Sequence:

MCA-Arg-Pro-Lys-Pro-Tyr-Ala-Nval-Trp-Met-Lsy(DNP)-NH₂

Molecular Weight:

1655

Format:

Yellow solid.

Principle:

When the substrate is cleaved, the DNP no longer quenches the MCA fluorophore. MCA has an excitation of 325 nm. and an emission of 393 nm.

Analytical Data:

HPLC: 99 +/- 1%

Mass Spec: M+1=1656.41

Note: AAA calculated: Ala:1, Arg:1, Lys:1, Met:1, Pro:2, Tyr:1. AAA found: Ala:1.02, Arg:0.98, Lys:1.00, Met:1.00, Pro:2.05, Tyr:0.99.

Storage and Stability:

Keep desiccated at -20 °C.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.