



PRODUCT DATA SHEET

Product: MMP Substrate-3

Cat. No: AC-053 (3 mg)

Description:

Matrix Metalloprotease Substrate-3.

Sequence:

MCA-Pro-Cha-Gly-Nva-His-Ala-DNP-NH₂.TFA

Molecular Weight:

1100 (not including TFA salt)

Formula:

C₅₁H₆₅N₁₃O₁₅

Format:

Yellow solid.

Solubility:

Soluble in DMSO

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=1100.4

Note: AAA calculated: Ala:1, Gly:1, His:1, Pro:1.

AAA found: Ala:1.00, Gly:1.01, His:0.95, Pro: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.