



## PRODUCT DATA SHEET

**Product:** MMP Substrate-4

**Cat. No:** AC-054 (3 mg)

**Description:**

Matrix Metalloprotease Substrate-4.

**Sequence:**

MCA-Pro-Leu-Ala-Nva-DNP-Ala-Arg-NH<sub>2</sub>.TFA

**Molecular Weight:**

1093 (not including TFA salt)

**Formula:**

C<sub>49</sub>H<sub>68</sub>N<sub>14</sub>O<sub>15</sub>

**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: 95 +/- 1%

Mass Spec: M+1=1094.99

Note: AAA calculated: Ala:2, Arg:1, Leu:1, Pro:1.

AAA found: Ala:2.04, Arg:1, Leu:0.94, Pro:1.00.

**Storage and Stability:**

Stable for >1 year when kept desiccated at -20°C. Keep away from direct light.

**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.