

## NFF-3

Cat. No.:	HY-P2185
CAS No.:	158584-09-9
Molecular Formula:	C <sub>78</sub> H <sub>110</sub> N <sub>22</sub> O <sub>20</sub>
Molecular Weight:	1675.84
Sequence:	Arg-Pro-Lys-Pro-Val-Glu-Nva-Trp-Arg-Lys(DNP)-NH <sub>2</sub>
Sequence Shortening:	RPKPVE-{Nva}-WR-{K(DNP)}-NH <sub>2</sub>
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	NFF-3, the peptide, is a selective MMP substrate. NFF-3 selectively binds to MMP-3 and MMP-10 to be hydrolyzed. NFF-3 is also cleaved by trypsin, hepatocyte growth factor activator, and factor Xa. Label NFF-3 with a CyDye pair, Cy3/Cy5Q, can produce fluorescence in cell assays to detect cell activity <sup>[1]</sup> .	
IC <sub>50</sub> & Target	MMP-3	MMP-10

### REFERENCES

[1]. Giricz O, et al. Comparison of metalloproteinase protein and activity profiling. Anal Biochem. 2011 Feb 1;409(1):37-45.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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