

PRODUCT: MMP-3 Substrate, NFF-3

ALTERNATE NAME:	NFF-3; Mca - RPKPVE - Nva - WR - K(Dnp) - NH ₂
CATALOG #:	B1060-1,5
AMOUNT:	1 mg, 5 mg
PEPTIDE SEQUENCE:	Mca - Arg - Pro - Lys - Pro - Val - Glu - Nva - Trp - Arg - Lys(Dnp) - NH ₂
MOLECULAR FORMULA:	C ₇₈ H ₁₁₀ N ₂₂ O ₂₀
MOLECULAR WEIGHT:	1675.84
CAS NUMBER:	158584-09-9
APPEARANCE:	Lyophilized yellow solid
SOLUBILITY:	DMSO
PURITY:	≥95% by HPLC
STORAGE:	Store at -20 °C. Protect from air and light
DESCRIPTION:	NFF-3 is a useful fluorogenic substrate for MMP-3 (stromelysin 1). NFF-3 is hydrolyzed rapidly by MMP-3 (kcat/Km = 218,000 s ⁻¹ M ⁻¹) and very slowly by MMP-9 (kcat/Km = 10,100 s ⁻¹ M ⁻¹), but no significant hydrolysis by MMP-1 and MMP-2.
REFERENCE:	Nagase, H., <i>et al.</i> (1994). <i>J. Biol.Chem.</i> 269 , 20952-20957.

RELATED PRODUCTS:

Batimastat (**Cat. No. 1704-1**)
Doxycycline hyclate (**Cat. No. 2209-100, 500**)
GM6001 (**Cat. No. 1799-1**)
Marimastat (**Cat. No. 1790-1, 5**)
MMP-3 Inhibitor, NNGH (**Cat. No. 2569-5, 25**)
MMP-3 Activity Fluorometric Assay Kit (**Cat. No. K783-100**)
MMP-3 Inhibitor Screening Kit (Fluorometric) (**Cat. No. K793-100**)
MMP-9 Antibody (**Cat. No. 3529-100**)
MMP-9 Antibody (**Cat. No. 3969-200**)
MMP-9 Antibody (**Cat. No. 5565-100**)
MMP-9, human recombinant (**Cat. No. 7789-10, 50, 1000**)
MMP-9 Inhibitor (**Cat. No. 1981-500**)
MMP-13 Inhibitor (**Cat. No. 2392-5,25**)
NSC-405020 (**Cat. No. 2682-5,25**)
NFF-3 (**Cat. No. B1060-1,5**)
TAPI-0 (**Cat. No. 2067-1**)
TAPI-1 (**Cat. No. 2068-1**)
EZSolution™ TAPI-1 (**Cat. No. 2540-1**)
TAPI-2 (**Cat. No. 2069-1**)

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**