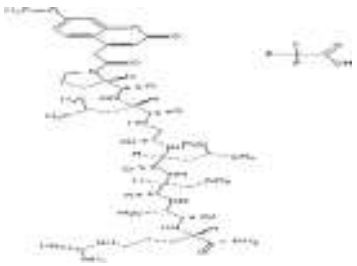
MMP Substrate, Fluorogenic

ALTERNATE NAME: Mca-Pro-Leu-Gly-Leu-Dpa-Ala-Arg-NH2
(S)-N-((6S,9S,12S,15S,21S)-1-amino-12-(aminomethyl)-6-carbamoyl-1-imino-15-isobutyl-9,23-dimethyl-8,11,14,17,20-pentaoxo-2,7,10,13,16,19-hexaazatetracosan-21-yl)-1-(2-(7-methoxy-2-oxo-2H-chromen-4-yl)acetyl)pyrrolidine-2-carboxamide, trifluoroacetate salt
Mca-PLGL-Dpa-AR-NH2

CATALOG #:
B3262-1 1 mg
B3262-5 5 mg

SUBSTRATE:



MOLECULAR FORMULA: $C_{49}H_{68}N_{14}O_{15}$

MOLECULAR WEIGHT: 1093.15

CAS NUMBER: 140430-53-1

APPEARANCE: Lyophilized yellow solid

PURITY: ≥98% by HPLC

SOLUBILITY: ~5 mg/ml DMSO

DESCRIPTION: MMP substrate, Fluorogenic is a widely used FRET substrate for MMP-1, MMP-2, MMP-7, MMP-8, MMP-9, MMP-12, MMP-13, MMP-14, MMP-15, and MMP-16. Also acts as a substrate for Cathepsin D and Cathepsin E. Upon cleavage by MMPs, 7-methoxycoumarin-4-acetyl (Mca) is released and its fluorescence can be used to quantify MMP activity. Mca displays excitation/emission maxima of 328/420 nm, respectively.

STORAGE TEMPERATURE: -20ºC. Protect from light

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

RELATED PRODUCTS:

MMP-3 Substrate, NFF-3 (B1060)
Mca-RPPGFSAFK(Dnp) (B1132)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***