

# Cathepsin D and E FRET Substrate

## Mca - GKPIILFFRLK(Dnp) - r - NH<sub>2</sub>

**Product Code:** 3263-0100

**Innopep**  
**Peptide**  
**Product**

**Price: \$125.00**

### Short Description

Mca-GKPIILFFRLK(Dnp)-r-NH<sub>2</sub>

### Description

Overview

Description

An internally quenched fluorogenic substrate (Ab/Em =328/393 nm) for cathepsins D and E and not for B, H or L, obtained from the hepatopancreas (liver) of the Japanese common squid (*Todarodes pacificus*). The cleavage occurs at the Phe-Phe amide bond resulting in enhanced fluorescence and is used in screening cathepsin D and E inhibitors and for determining cathepsin D and E activity in tissue cell extracts.

Sequence

Mca-GKPIILFFRLK(Dnp)-r-NH<sub>2</sub>

Sequence (3 Letter)

7 - Methoxycoumarin - 4 - Acetyl - Gly - Lys - Pro - Ile -  
Leu - Phe - Phe - Arg - Leu - Lys(Dnp) - D - Arg - NH<sub>2</sub>

Molecular Weight

1756.1

Properties

Purity

% Peak Area By HPLC ? 95%

Storage

-20 °C

### References

Yasuda, Y. et al. J. Biochem. 125, 1137 (1999).