

## Cathepsin D/E Substrate, Fluorogenic

<b>Cat. No.:</b>	HY-P10008
<b>Molecular Formula:</b>	C <sub>83</sub> H <sub>119</sub> N <sub>21</sub> O <sub>18</sub>
<b>Molecular Weight:</b>	1698.96
<b>Sequence:</b>	{MOCAC}-Gly-Lys-Pro-Ile-Leu-Phe-Phe-Arg-Leu-Lys(Dnp)-D-Arg-NH <sub>2</sub>
<b>Sequence Shortening:</b>	{MOCAC}-GKPILFFRL-Lys(Dnp)-{D-Arg}-NH <sub>2</sub>
<b>Target:</b>	Cathepsin
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Cathepsin D/E Substrate, Fluorogenic, 11 amino acid peptide, is a selective substrate for cathepsins D and E. Cathepsin D/E Substrate, Fluorogenic does not act as a substrate for cathepsins B, H, or L<sup>[1]</sup>.

### REFERENCES

[1]. Mariela Nunez Santos, et al. Progranulin-derived granulin E and lysosome membrane protein CD68 interact to reciprocally regulate their protein homeostasis. J Biol Chem. 2022 Sep;298(9):102348.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA