

## Cathepsin D/E Substrate, Fluorogenic

Cat. No. CSUB-0496

Lot. No. (See product label)

### Introduction

**Applications** Cathepsin D/E Substrate, Fluorogenic, is an internally quenched fluorogenic 11-mer peptide that acts as a selective substrate for cathepsins D and E.

**Synonyms** MOCAc-GKPILF~FRLK(Dnp)-D-R-NH<sub>2</sub>

### Product Information

**Form** Yellow lyophilized solid

**Formulation** Supplied as a trifluoroacetate salt.

**Purity** >97% by HPLC

**Toxicity** Standard Handling

**Substrates** Protease

**Excitation max.** ~328 nm

**Emission max.** ~393 nm

**Primary target** Substrate for cathepsins D and E

**Primary target IC50**  $k_{cat}/K_m = 15.6 \mu\text{M}^{-1} \text{sec}^{-1}$  and  $10.9 \mu\text{M}^{-1} \text{sec}^{-1}$  for rat gastric cathepsin D and human erythrocyte cathepsin E, respectively

### Storage and Shipping Information

**Storage** +2C to +8C

**Shipping Conditions** ambient