

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-NH₂

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 kcat/Km = 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