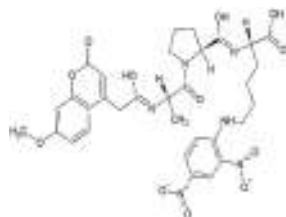


ACE-2 Substrate, Fluorogenic

ALTERNATE NAME: Mca-Ala-Pro-Lys(Dnp)-OH [Mca=(7-methoxycoumarin-4-yl)acetyl;Dnp=2,4-dinitrophenyl]
Mca-APK(Dnp)
ACE2 Substrate

CATALOG #: B2726-1 1 mg
B2726-5 5 mg



MOLECULAR FORMULA: C₃₂H₃₆N₆O₁₂

MOLECULAR WEIGHT: 696.7

CAS NUMBER: 305336-82-7

APPEARANCE: Yellow solid

PURITY: ≥95% by HPLC

SOLUBILITY: ~2 mg/ml DMSO

DESCRIPTION: ACE-2 substrate, Fluorogenic is a useful fluorogenic substrate for angiotensin converting enzyme-2 (ACE-2), a zinc-dependent carboxypeptidase with 42% amino acid sequence identity to ACE1. Unlike Mca-YVADAPK(Dnp)-OH (Cat. No. B2717), this substrate is not cleaved by caspases. This peptide substrate contains a highly fluorescent 7-methoxycoumarin group that is efficiently quenched by resonance energy transfer to the 2,4-dinitrophenyl group. This substrate is useful for inhibitor screening and kinetic analysis. Ex: 328 nm, Em: 393 nm.

STORAGE TEMPERATURE: -20°C. 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:

Angiotensin II Converting Enzyme (ACE2) Activity Assay Kit (Fluorometric) (K897)
Remdesivir (B2997)
MCA-YVADAPK(Dnp)-OH (B2717)
Angiotensin II Converting Enzyme (ACE2) Inhibitor Screening Kit (K310)
EIDD-2801 (B2725)

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