Mca-RPPGFSAFK(Dnp)

Protease substrate

Fluorogenic substrate for ECE-1 and ECE-2, ACE1 and ACE2, neprilysin, MMP-2 and MMP-9, thimet oligopeptidase, as well as cathepsin A, cathepsin X/Z, BACE, and insulinase, but not MMP-1.Mca fluorescence is quenched by the Dnp group until cleavage separates them. Ex.: 328nm, Em.: 393nm, although the following Ex/Em have also been used: 320-340/400-420. This substrate is useful for inhibitor screening and kinetic analysis.

Citations: 8 View Online »

Ordering Information Order Online »

BML-P227-0001	1mg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Handling	Protect from light and moisture.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to off-white solid.
Formulation	Lyophilized.
MW	1388.5
Purity	≥98% (HPLC)
Sequence	Mca-Arg-Pro-Pro-Gly-Phe-Ser-Ala-Phe-Lys(Dnp)-OH[Mca=(7-methoxycoumarin-4-yl)acetyl;Dnp=2,4-dinitrophenyl]
Solubility	Soluble in DMSO to at least 10mM.
Source	Synthetic.

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