
Product Data Sheet

Product Name: Mca-YVADAP-Lys(Dnp)-OH

Cat. No.: GC18430

Chemical Properties

Cas. No. 189696-01-3

Chemical Name N-[2-(7-methoxy-2-oxo-2H-1-benzopyran-4-yl)acetyl]-L-tyrosyl-L-valyl-L-alanyl-L- α -aspartyl-L-alanyl-L-prolyl-N6-(2,4-dinitrophenyl)-L-lysine

SMILES N/A

Formula $C_{53}H_{64}N_{10}O_{19}$ M.Wt 1145.1

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Mca-YVADAP-Lys(Dnp)-OH is a substrate for caspase-1 and angiotensin-converting enzyme 2 (ACE2). Upon cleavage by caspase-1 or ACE2, 7-methoxycoumarin-4-acetyl (Mca) is released and its fluorescence can be used to quantify enzyme activity. Mca displays excitation/emission maxima of 328/420 nm, respectively.

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

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