

Product Data Sheet

Product Name: Abz-Val-Ala-Asp-Nva-Arg-Asp-Arg-Gln-EDDnp

Cat. No.: GC74325

Chemical Properties

Cas. No. 1042405-14-0

Formula $C_{53}H_{80}N_{20}O_{18}$

M.Wt 1285.33

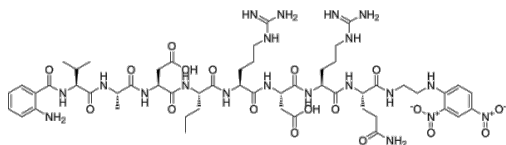
Solubility DMSO : 100 mg/mL (77.80 mM;
Need ultrasonic)

Storage Store at -20°C, Sealed storage,
away from moisture

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

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

Structure



Background

Abz-Val-Ala-Asp-Nva-Arg-Asp-Arg-Gln-EDDnp is a fluorescence-quenched peptide substrate for human proteinase 3 (kcat/Km = 1,570 mM⁻¹s⁻¹), and can be used for detection of proteinase 3 (PR3) activity.

References:

[1]. Yu J, et al. Cathepsin C from extracellular histone-induced M1 alveolar macrophages promotes NETosis during lung ischemia-reperfusion injury. Redox Biol. 2024 Jun 6;74:103231.

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

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[2]. Korkmaz B, et al. Measurement of neutrophil elastase, proteinase 3, and cathepsin G activities using intramolecularly quenched fluorogenic substrates. *Methods Mol Biol.* 2012;844:125-38.

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