
Product Data Sheet

Product Name: Abz-Ala-Phe-Arg-Phe-Ser-Gln-EDDnp

Cat. No.: GA20451

Chemical Properties

Cas. No. 1926163-28-1

Formula C₅₀H₆₃N₁₅O₁₃ M.Wt 1082.14

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**

Abz-Ala-Phe-Arg-Phe-Ser-Gln-EDDnp is the synthetic substrate of human kallikrein 6 (KLK6), with $k_{cat}/K_m = 38667s^{-1}mM^{-1}$ [1]. Abz-Ala-Phe-Arg-Phe-Ser-Gln-EDDnp is widely used as an internal quenching peptide, and after incubation with KLK6, the hydrolysis reaction can be monitored at the excitation wavelength of 320nm and the emission wavelength of 420nm[2].

References:

[1] Angelo P F, Lima A R, Alves F M, et al. Substrate specificity of human kallikrein 6: salt and glycosaminoglycan activation effects[J]. Journal of Biological Chemistry, 2006, 281(6): 3116-3126.

[2] Dos Santos J F, Borçari N R, da Silva Araújo M, et al. Mesenchymal stem cells differentiate into keratinocytes and express epidermal kallikreins: Towards an in vitro model of human epidermis[J]. Journal of cellular biochemistry, 2019, 120(8): 13141-13155.

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

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