
Product Data Sheet

Product Name: N-CBZ-Phe-Arg-AMC

Cat. No.: GC36707

Chemical Properties

Cas. No. 65147-22-0

Formula C₃₃H₃₆N₆O₆ M.Wt 612.68

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**

N-CBZ-Phe-Arg-AMC (Z-FR-AMC) is a cathepsin substrate used in assessment activity of lysosomal cathepsin enzymes[1][2].

[1]. Xu P, et al. Ascorbic acid modulation of iron homeostasis and lysosomal function in trabecular meshwork cells. J Ocul Pharmacol Ther. 2014 Mar-Apr;30(2-3):246-53. [2]. Porter K, et al. Lysosomal basification and decreased autophagic flux in oxidatively stressed trabecular meshwork cells: implications for glaucoma pathogenesis. Autophagy. 2013 Apr;9(4):581-94.

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

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