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**Product Data Sheet**

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

Cat. No.: GC64668

**Chemical Properties**

Cas. No.

Formula C<sub>35</sub>H<sub>37</sub>F<sub>3</sub>N<sub>6</sub>O<sub>8</sub>

M.Wt 726.7

Solubility DMSO : 50 mg/mL (68.80 mM; Need ultrasonic) 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) TFA 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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