

Product Data Sheet

Product Name: Boc-Phe-Ser-Arg-AMC TFA

Cat. No.: GC79736

Chemical Properties

Cas. No.

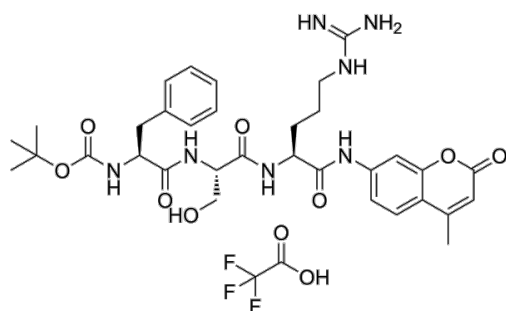
Formula $C_{35}H_{44}F_3N_7O_{10}$ M.Wt 779.76

Solubility DMSO: 100 mg/mL (128.24 mM; Need ultrasonic) Storage Store at -20°C, protect from light

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Boc-Phe-Ser-Arg-AMC TFA is a fluorescence peptide substrate with specificity. Boc-Phe-Ser-Arg-AMC TFA can be cleaved by trypsin-like serine proteases (TLSPs) to generate fluorescent products, thereby enabling the detection of TLSPs activity. Boc-Phe-Ser-Arg-AMC TFA can be used in studies related to rosacea [1] [2].

In Vitro, Boc-Phe-Ser-Arg-AMC TFA serves as a fluorescent substrate for purified bovine pancreatic trypsin and purified porcine pancreatic kallikrein^[1]. Boc-Phe-Ser-Arg-AMC TFA enables the detection of TLSP activity in protein extracts from human facial skin tape strips and NHEK lysates via fluorescence polarization^[2].

References:

- [1]. Aki T, et al. Protective effects of amino acids against gabexate mesilate-induced cell injury in porcine aorta endothelial cells. Journal of pharmacological sciences. 2008 Jul;107(3):238-45.
- [2]. Kanada KN, et al. Doxycycline indirectly inhibits proteolytic activation of tryptic kallikrein-related peptidases and activation of cathelicidin. The Journal of investigative dermatology. 2012 May;132(5):1435-42.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA