Product Data Sheet

Product Name: 2A/2B Dengue protease substrate acetate
Cat. No.: GC81863

Chemical Properties

Cas. No.

Formula	$C_{39}H_{68}N_{16}O_{11}{\cdot}xC_2H_4O_2$	M.Wt	937.06
Solubility	DMSO: 25 mg/mL (Need ultrasonic)	Storage	Sealed storage, away from moisture

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

Product Data Sheet

2A/2B Dengue protease substrate (Ac-RTSKKR-pNA) acetate is a peptide substrate for the Dengue NS2B-NS3 protease, with a K i value of 12 μM. 2A/2B Dengue protease substrate acetate is used in the development of selective peptide-based inhibitors for the Dengue NS2B-NS3 protease [1] [2].

References:

[1]. Leung D, et al. Activity of recombinant dengue 2 virus NS3 protease in the presence of a truncated NS2B co-factor, small peptide substrates, and inhibitors. J Biol Chem. 2001 Dec 7;276(49):45762-71.
[2]. Nitsche C, et al. Biochemistry and medicinal chemistry of the dengue virus protease. Chem Rev. 2014 Nov 26;114(22):11348-81.

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