Product Data Sheet

Product Name: VCAM1 binding peptide, FITC labeled acetate
Cat. No.: GC79416

Chemical Properties

Cas. No.			
Formula	$C_{84}H_{117}N_{25}O_{22}S_2 \cdot xC_2H_4O_2$	M.Wt	1893.11
Solubility	DMSO: 50 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			

FITC-Acp-Val-His-Pro-Lys-Gln-His-Arg-
Gly-Gly-Ser-Lys-Gly-Cys (acetate salt)

Background

VCAM1 binding peptide, FITC labeled acetate is a FITC-labeled VCAM1 binding peptide acetate. VCAM1 binding peptide acetate is a VCAM1 binder with internalization activity. VCAM1 binding peptide acetate serves as a component of biosensing systems for visualizing in vitro VCAM1 endocytic pathways. VCAM1 binding peptide acetate forms the research and development basis for

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MacroP and NAMP, PET radiotracers targeting VCAM1. VCAM1 binding peptide acetate is applicable to studies related to atherosclerosis [1] [2].

References:

[1]. Fu Y, et al. Endocytic pathway of vascular cell adhesion molecule 1 in human umbilical vein endothelial cell identified in vitro by using functionalized nontoxic fluorescent quantum dots[J]. Sensors and Actuators B: Chemical, 2019, 297: 126702.
[2]. Pastorino S, et al. Two Novel PET Radiopharmaceuticals for Endothelial Vascular Cell Adhesion Molecule-1 (VCAM-1) Targeting. Pharmaceutics. 2021;13(7):1025. Published 2021 Jul 6.

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