Product Data Sheet

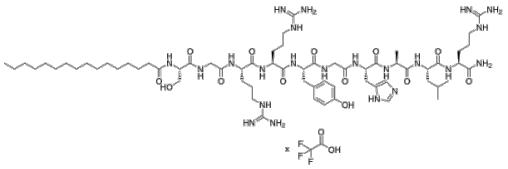
Product Name: P4pal10 TFA
Cat. No.: GC74416

Chemical Properties

Cas. No.

Formula	$C_{65}H_{112}N_{22}O_{13}.xC_2HF_3O_2$	M.Wt	1409.72 (free base)
Solubility	H_2O : 100 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

P4pal10 TFA is the TFA salt form of P4pal10 . P4pal10 TFA is an antagonist for protease-activated receptor 4 (PAR4). P4pal10 TFA inhibits the platelet aggregation, inhibits tissue factor (TF)-induced

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thrombin generation, and exhibits anticoagulant and antithrombotic activities. P4pal10 TFA reduces the oedema and the granulocyte infiltration induced by Carrageenan . P4pal10 TFA ameliorates the injury in rats myocardial ischemia/reperfusion (I/R) models.

References:

[1]. Houle S, et al. Neutrophils and the kallikrein-kinin system in proteinase-activated receptor 4-mediated inflammation in rodents. Br J Pharmacol. 2005 Nov;146(5):670-8.
[2]. Strande JL, et al., Inhibiting protease-activated receptor 4 limits myocardial ischemia/reperfusion injury in rat hearts by unmasking adenosine signaling. J Pharmacol Exp Ther. 2008 Mar;324(3):1045-54.
[3]. Wielders SJ, et al., Anticoagulant and antithrombotic properties of intracellular protease-activated receptor antagonists. J Thromb Haemost. 2007 Mar;5(3):571-6.

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