Product Data Sheet

Product Name: Ro 25-1553 TFA
Cat. No.: GC81566

Chemical Properties

Cas. No.			
Formula	$C_{160}H_{258}N_{46}O_{46}{\cdot}xC_2HF_3O_2$	M.Wt	3562.04
Solubility	DMSO: 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			

Ac-His-Ser-Asp-Ala-Val-Phe-Thr-Glu-Asn-Tyr-Thr-Lys-Leu-Arg-Lys-Gln-{Nle}-Ala-Ala-Lys-Lys-Tyr-Leu-Asn-Asp-Leu-Lys-Lys-Gly-Gly-Thr-NH2 (Lactam bridge:Lys21-Asp25) (TFA salt)

Background

Ro 25-1553 TFA is a 31 amino acid vasoactive intestinal peptide (VIP) analog, that acts as an agonist for VIP2 receptor (VPAC2 receptor). Ro 25-1553 TFA exhibits a bronchodilator effect in nerve-induced or Carbachol -induced tracheal smooth muscle contraction in guinea pig model [1].

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

[1]. Källström BL, et al., Bronchodilating properties of the VIP receptor agonist Ro 25-1553 compared to those of formoterol on the guinea-pig isolated trachea. Eur J Pharmacol. 2001 Nov 2;430(2-3):335-40.

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