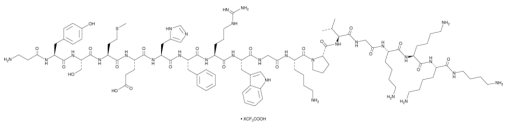
Product Data Sheet

Product Name: Alsactide (trifluoroacetate salt)
Cat. No.: GC92112

Chemical Properties

Cas. No.			
Chemical Name	1-β-alanine-17-[N-(4-aminobutyl)-L-lysinamide]-α1-17-corticotropin, trifluoroacetate salt		
SMILES	OC(C=C1)=CC=C1C[C@H](NC(CCN)=O)C(N[C@@H](CO)C(N[C@@H](CCSC)C(N[C@@H](CCC(O)=O)C(N[C@@H](CC2=CN=CN2)C(N[C@@H](CC3=CC=CC=C3)C(N[C@@H](CCCNC(N)=N)C(N[C@H](C(NCC(N[C@@H](CCCCN)C(N4[C@@H](CCC4)C(N[C@@H](C(C)C)C(NCC(N[C@@H](CCCCN)C(N[C@@H](CCCCN)C(N[C@@H](CCCCN)C(NCCCCN)=O)=O)=O)=O)=O)=O)=O)=O)=O)CC5=CNC6=CC=CC=C56)=O)=O)=O)=O)=O)=O)=O.OC(C(F)(F)F)=O		
Formula	$C_{99}H_{155}N_{29}O_{21}S$? XCF_3COOH	M.Wt	2119.6
Solubility	DMSO: Soluble: ≥10 mg/ml,Ethanol: Slightly soluble: 0.1-1 mg/ml,PBS (pH 7.2): Sparingly soluble: 1-10 mg/ml	Storage	-20°C
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

Alsactide is a peptide derivative of adrenocorticotropic hormone (ACTH), a peptide hormone found in the brain that is involved in the biological stress response.[1] It increases mean arterial blood pressure (MAP) following bleeding-induced hypotension in a rat model of hemorrhagic shock 15-30 minutes

after administration at a dose of 160 ?g/kg.

References:

[1]. Bertolini, A., Guarini, S., Rompianesi, E., et al.α-MSH and other ACTH fragments improve cardiovascular function and survival in experimental hemorrhagic shockEur. J. Pharmacol.130(1-2)19-26(1986).

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