

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-lysineamide]-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](C(CCCN)C(N[C@@H](CCCCN)C(NCCCCN)=O)=O)=O)=O)=O)=O)=O)=O)=O)CC5=CN(C6=CC=CC=C56)=O)=O)=O)=O)=O)=O.O=C(F)(F)F=O

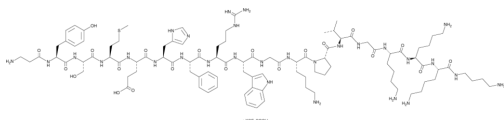
Formula C₉₉H₁₅₅N₂₉O₂₁S ? XCF₃COOH M.Wt 2119.6

Solubility DMSO: Soluble: ≥10 mg/ml, Ethanol: Storage -20°C
Slightly soluble: 0.1-1 mg/ml, PBS
(pH 7.2): Sparingly soluble: 1-10 mg/ml

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 adrenocorticotrophic 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

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

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after administration at a dose of 160 µg/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 shock *Eur. J. Pharmacol.* 130(1-2)19-26(1986).

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