

Product Name: ACTH (3-24) (human, mouse, rat, porcine, bovine, ovine) (trifluoroacetate salt)
Cat. No.: GC92115

Cas. No.

SMILES O=C(N[C@@H](CCSC)C(N[C@@H](CCC(O)=O)C(N[C@@H](CC1=CN([H])C=N1)C(N
[C@H](C(N[C@@H](CCC/N=C(N[H])/N)C(N[C@@H](CC2=CN([H])C3=C2C=CC=C3)C
(NCC(N[C@@H](CCCCN[H])C(N4CCC[C@H]4C(N[C@@H](C(C)C)C(NCC(N[C@@H]
(CCCCN[H])C(N[C@@H](CCCCN[H])C(N[C@@H](CCC/N=C(N[H])/N)C(N[C@@H](C
CC/N=C(N[H])/N)C(N5CCC[C@H]5C(N[C@@H](C(C)C)C(N[C@@H](CCCCN[H])C(N[
C@@H](C(C)C)C(N[C@@H](CC6=CC=C(O[H])C=C6)C(N7CCC[C@H]7C(O)=O)=O=
O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)
CC8=CC=CC=C8)=O)=O)=O)[C@H](CO[H])N[H].OC(C(F)(F)F)=O

Formula	C ₁₂₄ H ₁₉₆ N ₃₈ O ₂₇ S ? XCF ₃ COOH	M.Wt	2683.2
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Solubility	DMSO: Sparingly soluble: 1-10 mg/mL, PBS (pH 7.2): Sparingly soluble: 1-10 mg/mL	Storage	-20°C
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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.
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Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
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Structure

H—Ser—Met—Glu—His—Phe—Arg—Trp—Gly—Lys—Pro—
Val—Gly—Lys—Lys—Arg—Arg—Pro—Val—Lys—Val—
Tyr—Pro—OH

• XCF₃COOH

Adrenocorticotrophic hormone (ACTH) (3-24) is a potential impurity found in commercial preparations of tetracosactide, also known as cosyntropin, a synthetic form of ACTH (1-24).¹

References:

[1]. Taichrib, A., Scriba, G.K., and Neusüss, C. Identification and characterization of impurities of

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

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Product Data Sheet

tetracosactide by capillary electrophoresis and liquid chromatography coupled to time-of-flight mass spectrometry Anal. Bioanal. Chem. 401(4)1365-1375(2011).

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