



>>Entry Name: Corticotropin-releasing factor, 9CI
Synonym(s): Corticorelin, INN. Corticoliberin. CRF. CRH

CAS Registry Number: 9015-71-8
Related CAS Registry Numbers(s): 86784-80-7

H-Ser-Gln-Glu-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Val-Leu-Glu-Met-Thr-Lys-Ala-Asp-Gln-Leu-Ala-Gln-Gln-Ala-His-Ser-Asn-Arg-Lys-Leu-Leu-Asp-Ile-Ala-NH₂

General Statement: Polypeptide containing 41 amino acid residues. Ovine-form illus.
Biological Source: Isol. from posterior-pituitary extracts
Use/Importance: Stimulates release of ACTH by adenohypophysial tissue. Diagnostic aid (Cushing's syndrome). Anxiogenic-like activity. Linked with neuropeptide Y in producing behavioural responses to stress
Other Data: Human form also known

Sigma: C2024

>>Variant: Human
Synonym(s): Corticobiss

CAS Registry Number: 86784-80-7
Molecular Formula: C₂₀₈H₃₄₄N₆₀O₆₃S₂
Molecular Weight: 4757.502
Accurate Mass: 4754.500025
Percentage Composition: C 52.51%; H 7.29%; N 17.66%; O 21.19%; S 1.35%
Optical Rotation: $[\alpha]_D^{16} -84.1$ (c, 0.12 in 1N AcOH)
Other Data: Identical with rat variant
Sigma: C3042

>>Variant: Ovine
Synonym(s): Amunin. OCRF

CAS Registry Number: 79804-71-0
Molecular Formula: C₂₀₅H₃₃₉N₅₉O₆₃S
Molecular Weight: 4670.357
Accurate Mass: 4667.485756
Percentage Composition: C 52.72%; H 7.32%; N 17.69%; O 21.58%; S 0.69%
Source/Synthesis: Isol. from ovine hypothalamic extracts
Use/Importance: Potent stimulator of ACTH and β -endorphin
Physical Description: Fluffy powder
Optical Rotation: $[\alpha]_D^{15} -136.4$ (c, 0.03 in 1M AcOH)

>>Derivative: Trifluoroacetate salt (1:x)
Synonym(s): Corticorelin ovine triflutate, INN, USAN. Acthrel

CAS Registry Number: 121249-14-7

References: