

Product Data Sheet

Cat# SP-89085-1

Description: [D-Ala2]-GRF (1-29) amide (human) [Tyr-D-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH₂; MW: 3356.95]

Size: 1 mg

Purity: >95%

Form: Powder

Store: Desiccated at -20oC.

GRF is released by the arcuate nucleus of hypothalamus and acts on the adenohypophyse to stimulate the secretion of growth hormone which appears between 18 and 29 weeks of gestation. GHRH expression has been demonstrated in peripheral cells and tissues outside its main site in the hypothalamus, for example, in the pancreas, epithelial mucosa of the gastrointestinal tract and, pathologically, in tumour cells. It promotes [slow-wave sleep](#) directly. Growth hormone is required for normal postnatal growth, bone growth, regulatory effects on protein, carbohydrate, and lipid metabolism. Growth-hormone-releasing hormone is the lead compound for a number of structural and functional analogs, such as Pro-Pro-hGHRH(1-44)-Gly-Gly-Cys, CJC-1293, and CJC-1295.

References

GHRH Signaling. 2009. Obál F., (2001). Rev Neurol (Paris) 157 (11 Pt 2): S12–5. Walter F., (2003). Medical Physiology: A Cellular And Molecular Approach. Elsevier/Saunders. p. 1300. Tang SS., (2004). Acta Pharmacol. Sin. 25 (11): 1464–70. Jetté L., (2005). Endocrinology 146 (7): 3052–8. Teichman, SL., (2006). J Clin Endocrinol Metab. 91 (3): 799–805.

Related items

SP-89085-1 [D-Ala2]-GRF (1-29) amide (human) [Tyr-D-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH₂; MW: 3356.95]
 SP-89086-1 [Nle27]-GRF (1-29) amide (human) [Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Nle-Ser-Arg-NH₂; MW 3338.91]
 SP-89083-1 Ac-[Tyr1,D-Arg2]-GRF (1-29) amide (human) [Ac-Tyr-D-Arg-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH₂ (MW: 3485.10)]
 SP-89084-1 Ac-[Tyr1,D-Phe2]-GRF (1-29) amide (human) [Ac-Tyr-D-Phe-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH₂ (MW: 3476.09)]
 SP-89087-1 GRF (1-29) amide (rat) (AA: His-Ala-Asp-Ala-Ile-Phe-Thr-Ser-Ser-Tyr-Arg-Arg-Ile-Leu-Gly-Gln-Leu-Tyr-Ala-Arg-Lys-Leu-Leu-His-Glu-Ile-Met-Asn-Arg-NH₂) (MW: 3473.10)
 SP-89088-1 GRF (free acid) (human) (AA:Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu) (MW: 5040.74)
 SP-89089-1 GRF, porcine (AA: Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Arg-Asn-Gln-Glu-Gln-Gly-Ala-Arg-Val-Arg-Leu-NH₂) (MW: 5108.86)
 SP-61712-1 Growth Hormone Releasing Factor, GRF (1 - 29), amide, human (AA: Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH₂) (MW: 3358.03)
 SP-88147-1 Growth Hormone Releasing Factor, GRF (1 - 40), amide, human (AA: Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-NH₂) (MW: 4543.14)
 SP-88148-1 Growth Hormone Releasing Factor, GRF, (1 - 40), human (AA: Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala) (MW: 4544.12)

All peptides are for *in vitro* research use only.

SP-89085-1

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