

CJC-1295 acetate(863288-34-0 free base)

## Chemical Properties

CAS No. :

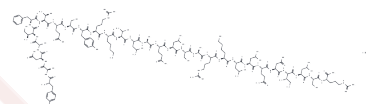
Formula: C154H256N44O44

Molecular Weight: 3428.01

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CJC-1295 acetate(863288-34-0 free base) (DAC:GRF acetate) is a synthetic analogue of growth hormone-releasing hormone (GHRH) (also known as growth hormone-releasing factor (GRF)) and a growth hormone secretagogue (GHS)
Targets(IC50)	GHSR
In vivo	CJC-1295 markedly increases plasma growth hormone (GH) and insulin-like growth factor 1 (IGF-1) levels in both animals and humans.[1] With a single injection, in human subjects, CJC-1295 increases plasma GH levels by 2- to 10-fold for 6 days or longer and plasma IGF-1 levels by 0.5- to 3-fold for 9 to 11 days.[3] The drug has an estimated half-life of about 6 to 8 days in humans.[3] With multiple doses of CJC-1295, IGF-1 levels were found to remain elevated in humans for up to 28 days

## Solubility Information

Solubility	DMSO: 127.5 mg/mL (37.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2917 mL	1.4586 mL	2.9171 mL
5 mM	0.0583 mL	0.2917 mL	0.5834 mL
10 mM	0.0292 mL	0.1459 mL	0.2917 mL
50 mM	0.0058 mL	0.0292 mL	0.0583 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Jetté L, Léger R, Thibaudeau K, Benquet C, Robitaille M, Pellerin I, et al. (July 2005). "Human growth hormone-releasing factor (hGRF)1-29-albumin bioconjugates activate the GRF receptor on the anterior pituitary in rats: identification of CJC-1295 as a long-lasting GRF analog". *Endocrinology*. 146 (7): 3052-8.

Alba M, Fintini D, Sagazio A, Lawrence B, Castaigne JP, Frohman LA, Salvatori R (December 2006). "Once-daily administration of CJC-1295, a long-acting growth hormone-releasing hormone (GHRH) analog, normalizes growth in the GHRH knockout mouse". *American Journal of Physiology. Endocrinology and Metabolism*. 291 (6): E1290-4

Teichman SL, Neale A, Lawrence B, Gagnon C, Castaigne JP, Frohman LA (March 2006). "Prolonged stimulation of growth hormone (GH) and insulin-like growth factor I secretion by CJC-1295, a long-acting analog of GH-releasing hormone, in healthy adults". *The Journal of Clinical Endocrinology and Metabolism*. 91 (3): 799-805.

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