COMPOUND GUIDE

CJC-1295 with DAC — Long-Acting GHRH Analogue

30-AA GHRH analogue · Drug Affinity Complex · Once-weekly SubQ

Quick Start

CJC-1295 DAC VS CJC-1295 NO DAC — CRITICAL DISTINCTION

CJC-1295 with DAC (this guide) has a plasma half-life of 5.8–8.1 days and is dosed once weekly. CJC-1295 without DAC ("Modified GRF 1-29") has a half-life of ~30 minutes and is dosed daily, usually alongside Ipamorelin. These are different protocols and cannot be substituted. Always confirm which version you are working with.

WHAT IT IS

CJC-1295 with DAC is a 30-amino acid GHRH (Growth Hormone Releasing Hormone) analogue developed by ConjuChem. The Drug Affinity Complex (DAC) technology covalently binds the peptide to serum albumin after injection, dramatically extending its half-life from ~30 minutes to 5.8–8.1 days.

RESEARCH DOSING

500–2,000 mcg SubQ once weekly. Some protocols split into two 500 mcg–1 mg doses twice weekly. No fasting requirement (unlike Ipamorelin). Most research uses 1,000 mcg (1 mg) once weekly for 8–12 weeks.

REGULATORY STATUS

Not FDA-approved. Phase 2 HIV lipodystrophy trial (NCT00267527) was halted in 2006 following a participant cardiovascular death. FDA Category 2 review record exists; no active trials as of 2026. WADA banned (S2). For research purposes only.

Dosing Protocol

Dosing figures are not provided for compounds we do not stock.

Supplies & Reconstitution

Reconstitution & Dosing

LA LAB does not stock this as a standalone product, so vial-specific reconstitution and dosing figures are not provided here. This page is a research reference only. For compounds we carry, see our guides.

Vial Planning Guide

DOSE	FREQUENCY	INJECTIONS PER 10 MG VIAL	VIALS FOR 8 WEEKS	VIALS FOR 12 WEEKS
1 mg	Once weekly	10	**1 vial**	1–2 vials
2 mg	Once weekly	5	**2 vials**	3 vials
500 mcg	Twice weekly	10 (5 weeks)	**2 vials**	3 vials

Reconstitution Steps

01 **Warm the vial**
Remove from freezer 10–15 min before use. Reach room temperature naturally.

02 **Swab both stoppers**
Alcohol swab each vial top. Allow to air-dry before inserting needle.

03 **Draw BAC water**
Draw the required BAC water volume (e.g. 3.0 mL for 10 mg vial).

04 **Inject down the wall**
Let BAC water run slowly down the inside glass wall of the peptide vial — never jet directly onto the powder.

05 **Gentle swirl**
Swirl slowly until the solution is clear and fully dissolved. Do not shake.

06 **Refrigerate**
Store at 2–8°C, upright, for up to 30 days. Protect from light. Do not freeze after reconstitution.

Mechanism of Action

GHRH RECEPTOR AGONISM

Binds pituitary GHRH receptors → cAMP/PKA signalling → GH synthesis and pulsatile release. Mimics endogenous GHRH but with dramatically extended activity due to the DAC modification.

DAC TECHNOLOGY

The Drug Affinity Complex is a maleimidoproprionic acid reactive group that covalently binds to serum albumin (Cys-34) after injection. This albumin binding extends half-life to 5.8–8.1 days, allowing once-weekly dosing.

GH ELEVATION

Phase 1 human data (Teichman 2006): 2–10× GH elevation sustained for 6+ days after a single injection. Once-weekly dosing maintains elevated baseline GH throughout the cycle.

IGF-1 ELEVATION

Phase 1 data: IGF-1 elevation 1.5–3× above baseline for 9–11 days after injection. Sustained IGF-1 is the downstream mediator of most studied effects (protein synthesis, body composition).

Research Status

STUDY	DESIGN	KEY FINDING
Teichman et al. 2006	Phase 1; healthy adults; single dose	GH 2–10× elevated for 6+ days; IGF-1 1.5–3× for 9–11 days; well tolerated
NCT00267527 (Phase 2)	HIV lipodystrophy; randomised	Halted 2006 after one participant cardiovascular death; causality not established

⚠ **PHASE 2 TRIAL SAFETY NOTE**

The Phase 2 HIV lipodystrophy trial NCT00267527 was halted in 2006 following a participant cardiovascular death. The investigators noted causality was not established, but development was discontinued. No further Phase 2 or Phase 3 trials have been registered for CJC-1295 with DAC.

Storage

STATE	TEMPERATURE	DURATION	NOTES
Lyophilised (powder)	−20°C (freezer)	Up to 24 months	Protect from light and moisture
Reconstituted (liquid)	2–8°C (refrigerator)	Up to 30 days	Do not freeze after reconstitution
Short-term (travel)	<25°C	Up to 72 hours	Avoid heat and direct sunlight

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