

AC-262536 (Accadrine) Overview

Why We Need It

AC-262536 is a non-steroidal selective androgen receptor modulator (SARM) designed to promote muscle growth with fewer side effects than traditional anabolic steroids. It selectively targets muscle and bone tissue while minimizing impact on reproductive organs. AC-262536 remains an investigational research compound with no FDA-approved medical uses.

Mechanism of Action

AC-262536 works by selectively binding to androgen receptors (AR) in skeletal muscle and bone. Once activated, these receptors signal increased muscle protein synthesis and promote muscle-specific gene expression involved in hypertrophy. It does this while minimizing activation in tissues like the prostate and hair follicles, reducing the risk of androgenic side effects.

Key biological pathways influenced include:

1. mTOR signaling to enhance protein synthesis
2. Anabolic gene expression for muscle growth
3. Reduced muscle breakdown by downregulating catabolic signals
4. This leads to improved lean muscle mass and potential bone-strengthening effects.

Functions and Benefits

- Stimulates muscle protein synthesis and promotes muscle hypertrophy
- Supports bone density and skeletal integrity
- Provides lean muscle gains with minimal water retention
- Low androgenic activity, reducing risk of hair loss or prostate enlargement
- Lower suppression risk compared to stronger SARMs like RAD-140 or LGD-4033
- May enhance muscle recovery and body composition

Medical-Grade Dosing

Dose: 10–30 mg per day

Frequency: Once daily (half-life ~4–6 hours)

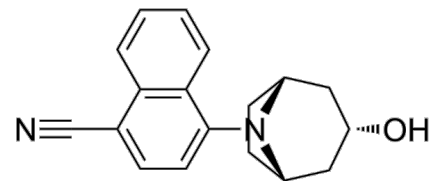
Cycle Duration: 6–8 weeks

Post-Cycle Therapy (PCT): Optional, based on suppression (Clomid or Nolvadex if needed)

Liver Support: Generally not required; NAC or TUDCA optional for long-term use

Pharmacology and Bioavailability

- Orally bioavailable, moderate absorption
- Selective AR binding with minimal off-target effects
- Low liver toxicity in animal studies
- Chemically synthesized, research-use only



Administration Guidelines

- Take once daily, with or without food
- Monitor hormone levels pre- and post-cycle if used in experimental protocols
- Consider PCT if symptoms of hormonal suppression occur

Conclusion

AC-262536 is a research-grade SARM offering moderate anabolic potential with low side effect risks. Its selectivity for muscle and bone receptors makes it an attractive tool for studying muscle growth and body composition optimization. As with all SARMs, its investigational status and limited human data warrant cautious, professionally supervised use, with hormone monitoring and cycle management recommended.