

## Metabolic Performance, Energy, and Lean Muscle Support

### 5-AMINO-1MQ ORAL CAPSULES/ RAPID DISSOLVE TABLETS (5-Amino-1-Methylquinolinium) strengths vary 25mg/50mg/100mg

- 5-Amino-1MQ is a small lab-made molecule (not a peptide or hormone) that works inside cells, especially fat cells. It blocks an enzyme called NNMT, which normally “uses up” vitamin B3 (nicotinamide) and some of the body’s methyl/energy resource
- By blocking NNMT, more nicotinamide is available to make NAD<sup>+</sup>, a key molecule that helps cells make energy and repair themselves.

### SLU-PP-322 CAPSULES 250MCG

- When SLU-PP-322 binds to ERR receptors, it helps them latch onto specific spots on DNA and switch on genes involved in energy use and mitochondria (for example, PDK4 and other fat-burning genes).
- This pushes the cell to make more proteins for burning fat, building new mitochondria, and running them harder, similar to what happens right after a bout of aerobic exercise.
- In muscle cells, that shows up as higher “maximal horsepower” of the mitochondria and better overall energy capacity, meaning the cells can produce more energy for longer.

### TESOFENSINE CAPSULES 0.25 MG, 0.5 MG, AND 1.0 MG ONCE DAILY, USUALLY IN THE MORNING.

- Developed as a CNS drug (Alzheimer’s/Parkinson’s) and then for obesity, with a primary clinical focus on appetite suppression and weight loss rather than on wakefulness or ADHD-type indications.
- A triple monoamine reuptake inhibitor, blocking reuptake of serotonin, norepinephrine, and dopamine in the CNS. This also has a stimulant-like monoaminergic
- This enhances satiety and decreases food-seeking drive, with some increase in energy expenditure and preferential loss of visceral fat while generally preserving lean mass.
- Is best positioned as a time-limited intervention to achieve substantial fat loss (e.g., 3–6 months) within a broader, long-term longevity plan anchored by diet, exercise, and cardiometabolic risk control

GLP-1/GIP AGONISTS (E.G., SEMAGLUTIDE, TIRZEPATIDE) ARE OFTEN OVERLAID FOR APPETITE CONTROL AND GLUCOSE LOWERING, WHILE SLU-PP-322 AND 5-AMINO-1MQ ARE FRAMED AS PRESERVING LEAN MASS AND ENHANCING ENERGY EXPENDITURE.