



## Amlexanox 60mg

### About

Amlexanox is an anti-inflammatory compound being studied for its potential to improve metabolic health, support immune balance, and aid weight management by targeting inflammation at the cellular level.

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### What's Included

- One bottle contains 30 capsules
- Each capsule is 60 mg

### Clinical Research Potential Benefits:

- May reduce body fat and improve insulin sensitivity
- May support immune regulation and inflammation control
- May help manage atopic conditions like asthma and allergic rhinitis
- May promote overall metabolic balance and cellular health

### Clinical Research Suggested Use:

- 60mg capsule
- 1 capsule in the morning without food
- May titrate up to 2 capsules to reach desired goal
- Duration: 6 months

## Amlexanox 60mg Mechanism of Action

- **NNMT Inhibition and Metabolic Regulation:**

- 5-Amino-1MQ functions as a selective inhibitor of nicotinamide N-methyltransferase (NNMT), an enzyme that plays a key role in cellular energy metabolism. By blocking NNMT activity, 5-Amino-1MQ increases intracellular NAD<sup>+</sup> availability, enhancing mitochondrial efficiency and metabolic rate. This shift promotes improved energy utilization and supports lean body composition.

- **Fat Cell Metabolism and Lipolysis:**

- Inhibition of NNMT within adipocytes (fat cells) reduces fat storage and increases lipolytic activity. This promotes the breakdown of stored triglycerides and supports reductions in overall fat mass. Enhanced thermogenic signaling further increases calorie expenditure and metabolic activity.

- **Stimulation of Thermogenesis and Adrenergic Activation:**

- 5-Amino-1MQ upregulates  $\beta$ -adrenergic receptor activity, stimulating thermogenesis, the body's heat and energy production process. This mechanism boosts basal metabolic rate and facilitates fat oxidation while preserving lean muscle tissue.

- **Improved Insulin Sensitivity and Glucose Regulation:**

- By increasing NAD<sup>+</sup>-dependent enzyme activity, 5-Amino-1MQ improves insulin sensitivity and glucose uptake in skeletal muscle. This enhances glycemic control, reduces insulin resistance, and supports balanced metabolic function.

- **Anabolic Support and Muscle Preservation:**

- Through its effects on mitochondrial performance and metabolic signaling, 5-Amino-1MQ promotes muscle mass development and helps preserve lean tissue during fat reduction phases. The result is improved body composition, energy levels, and metabolic efficiency.

- **Systemic Metabolic Benefits:**

- Overall, 5-Amino-1MQ enhances cellular metabolism, reduces adipose accumulation, and improves energy utilization, supporting healthy weight management, metabolic flexibility, and optimal mitochondrial function.