

Zaloric (Lydrenex) Mechanism of Action

Internal Training: Physical Wellness Division

1. Introduction to Zaloric

Zaloric is Veldra's high-strength application of **Lydrenex**. While our competitor (Aetheris) uses this same ingredient for mental wellness, Veldra leverages its potent muscle-relaxant properties to treat severe physical pain and spasms.

2. The Science of Lydrenex in Pain Management

Lydrenex acts as a **Central Nervous System (CNS) Depressant** with specific affinity for the spinal cord's polysynaptic reflex arcs.

How it works for Physical Health:

- 1. **GABA-ergic Potentiation:** Lydrenex enhances the inhibitory effect of Gamma-Aminobutyric Acid (GABA) at the spinal level.
- 2. **Signal Blockage:** It inhibits the transmission of pain signals from the over-contracted muscle fibers to the brain.
- 3. **Muscle Spasm Interruption:** By reducing the firing rate of motor neurons, it breaks the "Pain-Spasm-Pain" cycle characteristic of lower back injuries.

3. Comparison of Applications (Shared Ingredient)

Lydrenex is a versatile molecule. The difference lies in the **dosage and delivery system**.

Table 3: Lydrenex Application Matrix

Feature	Zaloric (Veldra)	Nuvia (Aetheris)
Dosage Strength	High (50mg - 100mg)	Low (5mg - 10mg)

Primary Target	<i>Muscle Tissue / Motor Neurons</i>	<i>Limbic System / Amygdala</i>
Intended Effect	<i>Physical Relaxation & Mobility</i>	<i>Cognitive Calm & Anxiolysis</i>
Patient Profile	<i>"My back is in knots and I can't move."</i>	<i>"I feel overwhelmed and socially anxious."</i>

4. Clinical Visual: The Spasm Cycle

*Imagine a chart showing a feedback loop where an initial injury leads to a muscle spasm, which causes more pain, which causes more spasm. **Zaloric's Intervention:** Intercepts at the "Motor Neuron Excitation" phase, forcing the muscle to release and allowing blood flow (and healing) to return to the tissue.*

Veldra Therapeutics: Targeted Physical Relief through Advanced Science.