

# Detomidine

↳ Sedative

Alpha-2 Adrenergic Agonist

**Mechanism of action:** Detomidine is a sedative with analgesic properties. Alpha-2-adrenergic agonists produce dose-dependent sedative and analgesic effects, mediated by activation of alpha2 catecholamine receptors thus inducing a negative feedback response, reducing the production of excitatory neurotransmitters (norepinephrine and epinephrine)

**Side effects:** Due to inhibition of the sympathetic nervous system, alpha2-adrenergic agonists have cardiac and respiratory effects. They often cause second-degree atrioventricular block in horses. An antidiuretic effect may also occur.