

# Xylazine

**Catalog No: tcsc2549**



## Available Sizes

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

7361-61-7

**Formula:**

$C_{12}H_{16}N_2S$

**Pathway:**

GPCR/G Protein

**Target:**

Adrenergic Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

BAY 1470

**Observed Molecular Weight:**

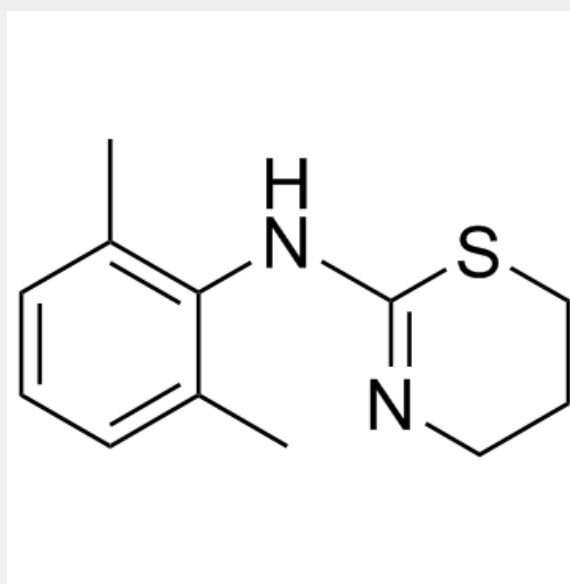
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## Product Description

Xylazine is  $\alpha_2$  class of adrenergic receptor agonist.

**Target: Adrenergic Receptor**

Xylazine is a drug that is used for sedation, anesthesia, muscle relaxation, and analgesia in animals such as horses, cattle and other non-human mammals. An analogue of clonidine, it is an agonist at the  $\alpha_2$  class of adrenergic receptor. Xylazine has recently emerged as a recreational drug, especially in Puerto Rico [1]. Administration of xylazine (0.17 mg/kg of body weight, diluted to a 10-ml volume, using 0.9% NaCl) induced approximately 2.5 hours of local analgesia without apparent side effects. Higher doses of xylazine caused mild hind limb ataxia. Administration of lidocaine induced a similar duration of analgesia, with severe hind limb ataxia (100% incidence). We concluded that xylazine given by epidural injection results in safe, effective perineal analgesia in horses [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!