Xylazine hydrochloride

Product Number  X 1251
Storage Temperature  -0 °C

Product Description
Molecular Formula: C₁₂H₁₆N₂S • HCl
Molecular Weight: 256.8
CAS Number: 23076-35-9
Melting Point: 166-167 °C

Xylazine hydrochloride is an α₂-adrenergic receptor agonist, sedative, and muscle relaxant. A solution of ketamine hydrochloride and xylazine hydrochloride (Product No. K 113) has been used together to produce rapid and reversible anesthesia in experimental animals.¹ Xylazine elicited a diuretic response in ketamine-anesthetized animals, probably through activation of complex peripheral and CNS α₂-adrenergic receptor systems.² Xylazine hydrochloride did not discriminate among the four known α₂-adrenergic receptor subtypes (A<B<C and D) in membranes of particular tissues.³

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
Xylazine hydrochloride is soluble in water (greater than 175 mg/ml). A solution in water (50 mg/ml) is clear and colorless.

References