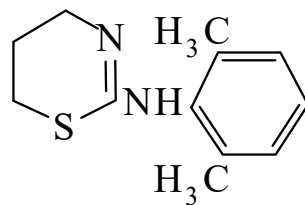




>>Entry Name: Xylazine, BAN, INN

Synonym(s): *N*-(2,6-Dimethylphenyl)-5,6-dihydro-4*H*-1,3-thiazin-2-amine, 9Cl. 5,6-Dihydro-2-(2,6-xylidyl)-4*H*-1,3-thiazine, 8Cl. Celactal. Rompun. Bay 1470



CAS Registry Number: 7361-61-7

Molecular Formula: C₁₂H₁₆N₂S

Molecular Weight: 220.338

Accurate Mass: 220.103418

Percentage Composition: C 65.41%; H 7.32%; N 12.71%; S 14.55%

Use/Importance: Selective α_2 -adrenoceptor agonist. Veterinary sedative, analgesic, muscle relaxant

Physical Description: Cryst. (C₆H₆/petrol)

Solubility: Sol. dil. acids, C₆H₆, Me₂CO, CHCl₃, insol. H₂O

Calculated Log P Data: Log P 1 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 130 mg/kg. Exp. reprod. effects. Emetic

>>Derivative: Hydrochloride

Synonym(s): Xylazine hydrochloride, USAN

CAS Registry Number: 23076-35-9

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 236-239°

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