

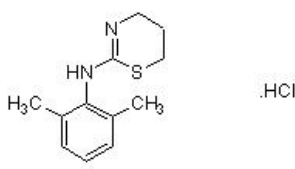
Product datasheet

Xylazine hydrochloride ab120759

Overview

Product name	Xylazine hydrochloride
Description	α_2 Adrenoceptor agonist
Biological description	α_2 Adrenoceptor agonist (IC_{50} = 68.2 nM). K_i values for receptor subtypes are 1570 (α_{2A}), 1360 (α_{2B}), 1200 (α_{2C}) and 1460 nM (α_{2D}). Activates K_{ATP} channels through the NO/cGMP pathway. Displays anaesthetic, antinociceptive and muscle relaxatory actions.
Purity	> 99%

Properties

Chemical name	N-(2,6-Dimethylphenyl)-5,6-dihydro-4H-1,3-thiazin-2-amine hydrochloride
Molecular weight	256.79
Chemical structure	

Molecular formula C₁₂H₁₆N₂S.HCl

CAS Number 23076-35-9

Storage instructions Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview Soluble in water to 100 mM

Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

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