

Detomidine (hydrochloride)

Catalog No: tcsc1996



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

90038-01-0

Formula:

$C_{12}H_{15}ClN_2$

Pathway:

GPCR/G Protein

Target:

Adrenergic Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

222.71

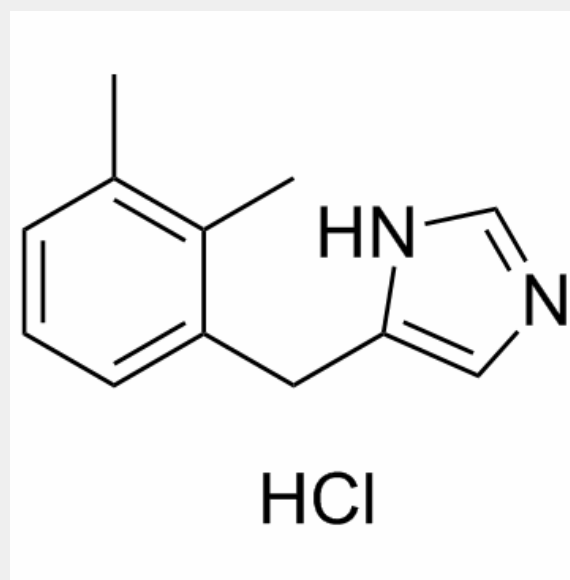
Product Description

Detomidine hydrochloride produce dose-dependent sedative and analgesic effects, is a nonnarcotic, synthetic $\alpha 2$ -adrenergic agonist

Target: $\alpha 2$ -adrenergic agonist

Detomidine is an imidazole derivative and α 2-adrenergic agonist, used as a large animal sedative, primarily used in horses. It is usually available as the salt detomidine hydrochloride. It is a prescription medication available to veterinarians sold under the trade name Dormosedan. Currently, detomidine is only licenced for use in horses.

Detomidine is a sedative with analgesic properties. α 2-adrenergic agonists produce dose-dependent sedative and analgesic effects, mediated by activation of α 2 catecholamine receptors, thus inducing a negative feedback response, reducing production of excitatory neurotransmitters. Due to inhibition of the sympathetic nervous system, detomidine also has cardiac and respiratory effects and an antidiuretic action.



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