

Medetomidine (hydrochloride)

Catalog No: tcsc2700



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

86347-15-1

Formula:

$C_{13}H_{17}ClN_2$

Pathway:

GPCR/G Protein

Target:

Adrenergic Receptor

Purity / Grade:

>98%

Solubility:

: ≥ 50 mg/mL (211.20 mM)

Alternative Names:

MPV785

Observed Molecular Weight:

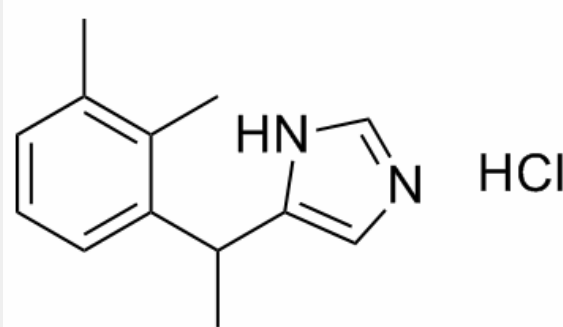
236.74

Product Description

Medetomidine Hydrochloride is an agonist of adrenergic alpha-2 receptor, which is used in veterinary medicine for its analgesic and sedative properties.

Target: Adrenergic alpha-2 Receptor

Medetomidine, acting at alpha(2A) adrenoceptors, must be present during the encoding process to decrease discrete cue fear memory; however, its ability to suppress contextual memory is likely the result of blocking the consolidation process [1]. Medetomidine had no analgesic effects in alpha(2A)-adrenoceptor KO mice [2]. Medetomidine was effective in blocking these sympathomimetic actions of cocaine even in all 7 subjects who were homozygous for the Del322-325 polymorphism in the alpha2C AR, a loss-of-function mutation that is highly enriched in blacks [3].



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