

Medetomidine

Catalog No: tcsc0734



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

86347-14-0

Formula:

$C_{13}H_{16}N_2$

Pathway:

GPCR/G Protein

Target:

Adrenergic Receptor

Purity / Grade:

>98%

Solubility:

H₂O :

Observed Molecular Weight:

200.28

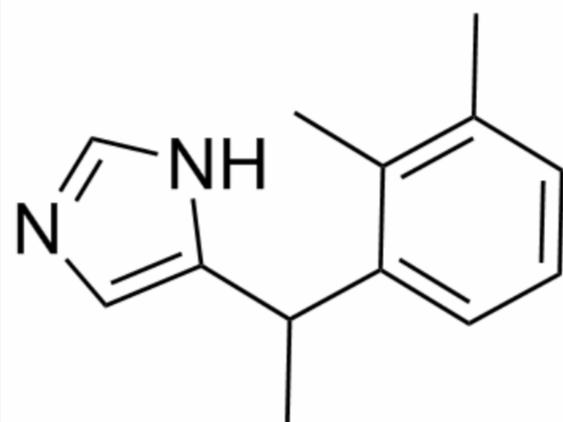
Product Description

Medetomidine(Domtor) is a potent, highly selective α_2 -adrenoceptor agonist (K_i values are 1.08 and 1750 nM for α_2 - and α_1 -adrenoceptors respectively).

IC50 value:

Target: α 2-adrenoceptor

Medetomidine displays greater selectivity over α 1-adrenoceptors than clonidine and UK 14,304 (1620-, 220- and 300-fold respectively). Medetomidine inhibits twitch response in electrically stimulated mouse vas deferens (pD2 = 9.0). Active in vivo; displays hypotensive, bradycardic, sedative, anxiolytic, hypothermic and analgesic effects.



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