

Guanfacine (hydrochloride)

Catalog No: tcsc1254



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

29110-48-3

Formula:

$C_9H_{10}Cl_3N_3O$

Pathway:

GPCR/G Protein

Target:

Adrenergic Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 30 mg/mL (106.18 mM)

Alternative Names:

Guanfacine

Observed Molecular Weight:

282.55

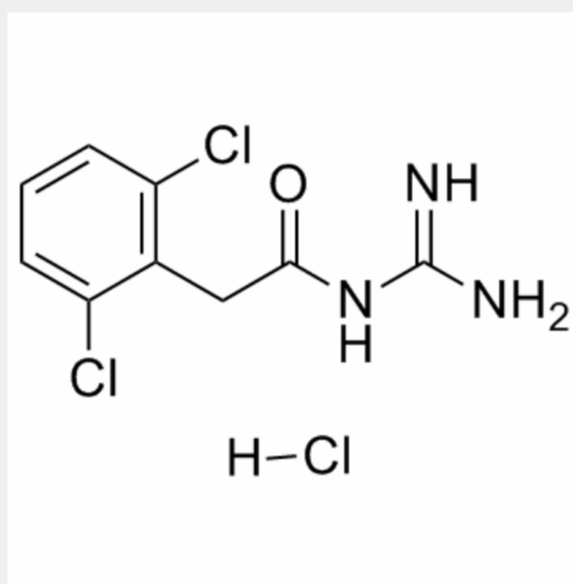
Product Description

Guanfacine HCl, an anti-hypertensive agent, is a selective α 2A-adrenoceptor agonist with Kd of 31 nM and displays 60-fold selectivity over α 2B-adrenoceptors.

IC50 Value: 31 nM(Kd)

Target: Adrenergic Receptor

Guanfacine is a sympatholytic. It is a selective α 2A receptor agonist. These receptors are concentrated heavily in the prefrontal cortex and the locus coeruleus, with the potential to improve attention resulting from interaction with receptors in the former. Guanfacine lowers both systolic and diastolic blood pressure by activating the central nervous system α 2A norepinephrine autoreceptors, which results in reduced peripheral sympathetic outflow and thus a reduction in peripheral sympathetic tone. From Wikipedia



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