

Guanfacine (hydrochloride)

Catalog No: tcsc1254



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

29110-48-3

Formula:

$\text{C}_9\text{H}_{10}\text{Cl}_3\text{N}_3\text{O}$

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

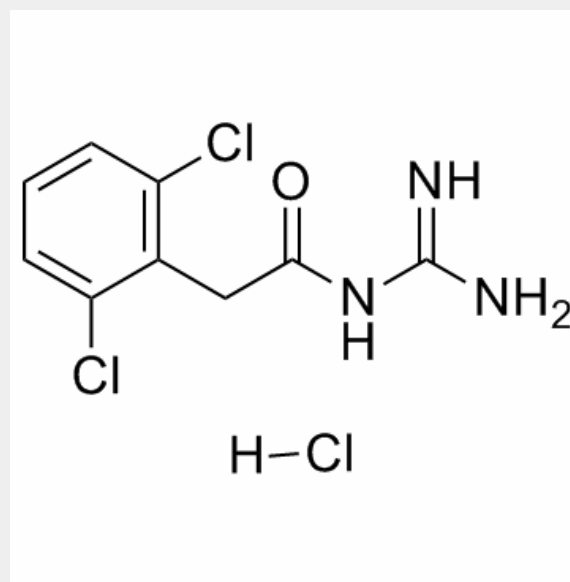
Product Description

Guanfacine Hcl, an anti-hypertensive agent, is a selective α_2A -adrenoceptor agonist with K_d of 31 nM and displays 60-fold selectivity over α_2B -adrenoceptors.

IC50 Value: 31 nM(K_d)

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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