Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Mianserin (hydrochloride)

Catalog No: tcsc2079

Available Sizes

Size: 100mg

Size: 200mg

Size: 500mg

Specifications

CAS No:
21535-47-7

Formula:
$C_{18}H_{21}ClN_2$

Pathway:
Immunology/Inflammation;GPCR/G Protein

Target:
Histamine Receptor;Histamine Receptor

Purity / Grade:
>98%

Solubility:
DMSO : 33 mg/mL (109.70 mM; Need ultrasonic)

Alternative Names:
Org GB 94

Observed Molecular Weight:
300.83

Product Description

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Mianserin hydrochloride is a H1 receptor inverse agonist and is a psychoactive agent of the tetracyclic antidepressant.

Target: H1 receptor

Mianserin is a psychoactive drug of the tetracyclic antidepressant (TeCA) therapeutic family. It is classified as a noradrenergic and specific serotonergic antidepressant (NaSSA) and has antidepressant, anxiolytic (anti-anxiety), hypnotic (sedating), antiemetic (nausea and vomiting-attenuating), orexigenic (appetite-stimulating), and antihistamine effects. It is not approved for use in the US, but its analogue, mirtazapine, is. Mianserin was the first antidepressant to reach the UK market that was less dangerous than the tricyclic antidepressants in overdose.

Mianserin is an antagonist/inverse agonist of the H1, 5-HT1D, 5-HT2A, 5-HT2B, 5-HT2C, 5-HT3, 5-HT6, 5-HT7, α1-adrenergic, and α2-adrenergic receptors, and also inhibits the reuptake of norepinephrine. As a high affinity H1 receptor inverse agonist, mianserin has strong antihistamine effects (sedation, weight gain, etc.). Contrarily, it has negligible affinity for the mACh receptors, and thus lacks any anticholinergic properties. It was recently found to be a potent kappa opioid receptor agonist. In addition, mianserin also appears to be a potent antagonist of the neuronal octopamine receptor. What implications this may have on mood are currently unknown, however octopamine has been implicated in the regulation of sleep, appetite and insulin production and therefore may theoretically contribute to the overall side effect profile of mianserin.