

Product Data Sheet

Cicloprolol hydrochloride

 $\begin{array}{lll} \textbf{Cat. No.:} & \textbf{HY-U00066} \\ \textbf{CAS No.:} & 63686-79-3 \\ \textbf{Molecular Formula:} & \textbf{C}_{18}\textbf{H}_{30}\textbf{CINO}_4 \\ \end{array}$

Molecular Weight:

Target: Adrenergic Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

359.89

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

H-CI

BIOLOGICAL ACTIVITY

Description	Cicloprolol is a partial β 1-adrenoceptor agonist .
IC ₅₀ & Target	$Adrenoceptor^{[1]}$
In Vitro	Cicloprolol is a partial $\beta1$ -adrenoceptor agonist considered for the treatment of patients with coronary artery disease and impaired left ventricular function ^[1] . The new β -adrenoceptor partial agonist Cicloprolol acts as a β -agonist at normal levels and as a β -antagonist at high levels of adrenergic discharge. Treatment with Cicloprolol should protect the heart against excessive stimulation, while providing a baseline level of sympathetic drive. Cicloprolol has a weak $\beta1$ -agonistic effect at normal levels of adrenergic discharge and acts as an antagonist at high levels of discharge ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Weber S, et al. Pharmacodynamic without pharmacokinetic interaction between cicloprolol, a partial beta 1-adrenoceptor agonist, and digoxin in healthy subjects. Br J Clin Pharmacol. 1990 Sep;30(3):411-6

[2]. Cocco G, et al. An evaluation of the safety of the beta-modulator cicloprolol in chronic heart failure. Clin Cardiol. 1992 Jan;15(1):38-42.

Caution: Product has not been fully validated for medical applications. For research use only.

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