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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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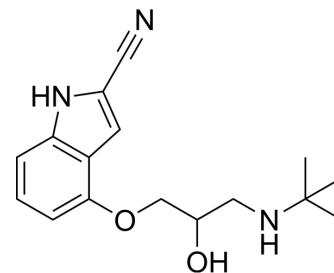
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Cyanopindolol

| | |
|---------------------------|---|
| Cat. No.: | HY-W795507 |
| CAS No.: | 69906-85-0 |
| Molecular Formula: | C ₁₆ H ₂₁ N ₃ O ₂ |
| Molecular Weight: | 287.36 |
| Target: | Adrenergic Receptor; 5-HT Receptor |
| Pathway: | GPCR/G Protein; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | | |
|-------------------------------------|---|---|---|
| Description | Cyanopindolol is a β 3-adrenoceptor antagonist. Cyanopindolol is a potent and selective antagonist at the presynaptic serotonin autoreceptor in the rat brain cortex. Cyanopindolol has binding affinity for 5-HT _{1A} and 5-HT _{1B} receptor (K_i : 2.1 and 3 nM respectively) ^{[1][2][3]} . | | |
| IC₅₀ & Target | β 3 adrenoceptor | 5-HT _{1A} Receptor 2.1 nM (K _i) | 5-HT _{1B} Receptor 3 nM (K _i) |

REFERENCES

- [1]. Hoey A, et al. Atypical responses of rat ileum to pindolol, cyanopindolol and iodocyanopindolol. *Br J Pharmacol*. 1996 Feb;117(4):712-6.
- [2]. Schlicker E, et al. Cyanopindolol is a highly potent and selective antagonist at the presynaptic serotonin autoreceptor in the rat brain cortex. *Naunyn Schmiedebergs Arch Pharmacol*. 1985 Dec;331(4):398-401.
- [3]. Langlois M, et al. Structural analysis by the comparative molecular field analysis method of the affinity of beta-adrenoreceptor blocking agents for 5-HT_{1A} and 5-HT_{1B} receptors. *Eur J Pharmacol*. 1993 Jan 4;244(1):77-87.

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

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