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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

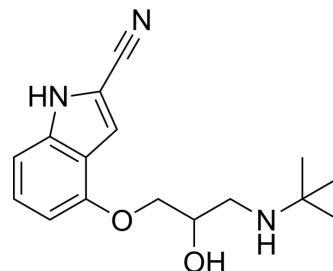
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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 an 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]} .		
IC ₅₀ & 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 Schmiedeberg 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA