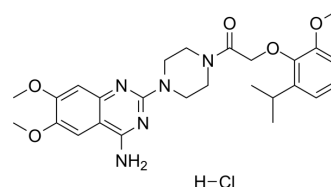


Rec 15/2615 hydrochloride

Cat. No.:	HY-103209
CAS No.:	173059-17-1
Molecular Formula:	C ₂₆ H ₃₄ ClN ₅ O ₅
Molecular Weight:	532.03
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Rec 15/2615 hydrochloride is a potent and selective α -1B adrenoceptor antagonist with K _i values of 1.9 nM, 0.3 nM, 2.6 nM for α 1A, α 1B, α 1D, respectively. Rec 15/2615 hydrochloride modulates vaginal smooth muscle contractility and genital engorgement ^{[1][2]} .		
IC₅₀ & Target	α 1A-adrenergic receptor 1.9 nM (K _i)	α 1B-adrenergic receptor 0.3 nM (K _i)	Alpha-1D adrenergic receptor 2.6 nM (K _i)

REFERENCES

- [1]. Bremner JB, et al. Ligand design for alpha1 adrenoceptor subtype selective antagonists. *Bioorg Med Chem*. 2000 Jan;8(1):201-14.
- [2]. Kim NN, et al. Biochemical and functional characterization of alpha-adrenergic receptors in the rabbit vagina. *Life Sci*. 2002 Nov 1;71(24):2909-20.

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

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