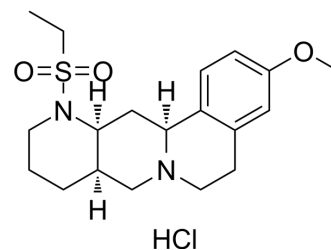


RS-79948-197

Cat. No.:	HY-101338
CAS No.:	186002-54-0
Molecular Formula:	C ₁₉ H ₂₉ ClN ₂ O ₃ S
Molecular Weight:	400.96
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	RS-79948-197 is a non-imidazoline α ₂ -adrenoceptor antagonist. RS-79948-197 shows K _d values of 0.42 nM, 0.18 nM, 0.19 nM, 0.60 nM, 0.46 nM, and 0.77 nM for rat α _{2A} , rat α _{2B} , rat α _{2C} , human α _{2A} , human α _{2B} , and human α _{2C} , respectively ^{[1][2]} .			
IC₅₀ & Target	rat α _{2A} receptor 0.42 nM (Kd)	rat α _{2B} receptor 0.18 nM (Kd)	rat α _{2C} receptor 0.19 nM (Kd)	human α _{2A} -adrenoceptor 0.6 nM (Kd)
	human α _{2B} -adrenoceptor 0.46 nM (Kd)	human α _{2C} -adrenoceptor 0.77 nM (Kd)		

REFERENCES

[1]. S Uhlén, et al. [³H]RS79948-197 binding to human, rat, guinea pig and pig alpha_{2A}-, alpha_{2B}- and alpha_{2C}-adrenoceptors. Comparison with MK912, RX821002, rauwolscine and yohimbine. *Eur J Pharmacol.* 1998 Feb 5;343(1):93-101.

[2]. Hume SP, et al. Evaluation in rat of RS-79948-197 as a potential PET ligand for central alpha 2-adrenoceptors. *Eur J Pharmacol.* 1996 Dec 12;317(1):67-73.

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

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