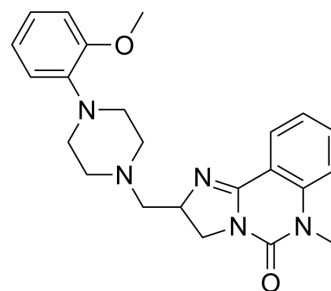


2-MPMDQ

Cat. No.:	HY-101061
CAS No.:	149847-77-8
Molecular Formula:	C ₂₃ H ₂₇ N ₅ O ₂
Molecular Weight:	405.49
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	2-MPMDQ is a potent and selective α 1-adrenoceptor ($K_i=0.37$ nM) antagonist over α 2-adrenoceptor ($K_i=1740$ nM). 2-MPMDQ is potent anti-hypertensive agent and has the potential for hypertension research ^[1] .	
IC ₅₀ & Target	α 1-adrenergic receptor 0.37 nM (K _i)	α 2-adrenergic receptor 1740 nM (K _i)

REFERENCES

[1]. J W Chern, et al. Studies on quinazolines. 5. 2,3-dihydroimidazo[1,2-c]quinazoline derivatives: a novel class of potent and selective alpha 1-adrenoceptor antagonists and antihypertensive agents. J Med Chem. 1993 Jul 23;36(15):2196-207.

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

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