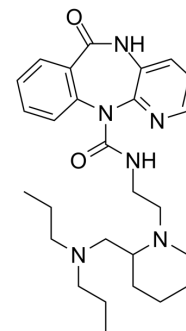


AF-DX 384

Cat. No.:	HY-107652
CAS No.:	118290-26-9
Molecular Formula:	C ₂₇ H ₃₈ N ₆ O ₂
Molecular Weight:	478.63
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AF-DX 384 is a selective antagonist of M2 and M4 muscarinic acetylcholine receptors (K_{iS} =6.03 and 10 nM, respectively)^[1]. AF-DX 384 reverses deficits in novel object recognition and passive avoidance in aged rats, as well as in young rats with impairments induced by scopolamine^[2].

REFERENCES

- [1]. Dörje F, et al. Antagonist binding profiles of five cloned human muscarinic receptor subtypes. *J Pharmacol Exp Ther*. 1991 Feb;256(2):727-33.
- [2]. Vannucchi MG, et al. Selective muscarinic antagonists differentially affect in vivo acetylcholine release and memory performances of young and aged rats. *Neuroscience*. 1997 Aug;79(3):837-46.

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