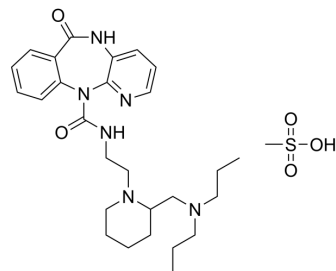


AF-DX 384 methanesulfonate

Cat. No.:	HY-124223
CAS No.:	118290-27-0
Molecular Formula:	C ₂₈ H ₄₂ N ₆ O ₅ S
Molecular Weight:	574.74
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 (methanesulfonate) is a selective antagonist of M2 and M4 muscarinic acetylcholine receptors (K_i s=6.03 and 10 nM, respectively)^[1]. AF-DX 384 (methanesulfonate) 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.

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