

Product Information

AF-DX 384

Cat. No.: X23-12-YM199

Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 118290-26-9

PubChem CID: 119357

Synonym: 118290-26-9; *N*

-[2-[2-[(Dipropylamino)methyl]piperidin-1-yl]ethyl]-6-oxo-5*H*-pyrido[2, 3-*b*][1, 4]benzodiazepine-11-carboxamide

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	AF-DX 384 interferes with or suppresses the transmission of signals between neurons in the nervous system.
Molecular Weight	478.64
Molecular Formula	C ₂₇ H ₃₈ N ₆ O ₂
IUPAC Name	<i>N</i> -[2-[2-[(Dipropylamino)methyl]piperidin-1-yl]ethyl]-6-oxo-5 <i>H</i> -pyrido[2, 3- <i>b</i>][1, 4]benzodiazepine-11-carboxamide
InChI	InChI=1S/C27H38N6O2/c1-3-16-31(17-4-2)20-21-10-7-8-18-32(21)19-15-29-27(35)33-24-13-6-5-11-22(24)26(34)30-23-12-9-14-28-25(23)33/h5-6, 9, 11-14, 21H, 3-4, 7-8, 10, 15-20H2, 1-2H3, (H, 29, 35)(H, 30, 34)
InChI Key	MZDYABXXPZNUCT-UHFFFAOYSA-N
Canonical SMILES	CCCN(CCC)CC1CCCCN1CCNC(=O)N2C3=CC=CC=C3C(=O)NC4=C2N=CC=C4
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AF-DX 384 can be studied as a pharmacological tool in research settings to investigate the role of muscarinic acetylcholine receptors in various physiological and pathological processes.
Storage	Store at -20°C, and keep desiccated.