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DATASHEET

(±)-Anatoxin A fumarate

Product overview

Name	(±)-Anatoxin A fumarate
Cat No	HB2023
Alternative names	ANTX
Biological action	Agonist
Purity	>99%
Description	Potent nicotinic agonist. Apoptosis inducer.

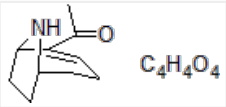
Biological Data

Biological description	Potent nicotinic agonist (K_i values are 1.25 and 1840 nM at α4β2 nM and α7 receptors respectively). Natural alkaloid. Induces fast death via depolarizing blockade of neuromuscular transmission.

Solubility & Handling

Storage instructions	+4°C (desiccate)
Solubility overview	Soluble in water (50mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(±)-2-Acetyl-9-aza bicyclo[4.2.1]non-2-ene fumarate
Molecular Weight	281.31
Chemical structure	
Molecular Formula	$C_{10}H_{15}NO.C_4H_4O_4$
CAS Number	1219922-30-1
PubChem identifier	57369796
SMILES	CC(=O)C1=CCCC2CCC1N2.C(=CC(=O)O)C(=O)O
Source	Synthetic
InChi	InChI=1S/C10H15NO.C4H4O4/c1-7(12)9-4-2-3-8-5-6-10(9)11-8;5-3(6)1-2-4(7)8/h4,8,10-11H,2-3,5-6H2,1H3;1-2H,(H,5,6)(H,7,8)
InChiKey	ZJSIFVODFDHYJU-UHFFFAOYSA-N
MDL number	MFCD09701958
Appearance	White solid