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DATASHEET

(±)-Anatoxin A fumarate

Product overview

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|--------------------------|--------------------------|
| Name | (±)-Anatoxin A fumarate |
| Cat No | HB2023 |
| Description | Potent nicotinic agonist |
| Alternative names | ANTX |
| Biological action | Agonist |
| Purity | >96% |

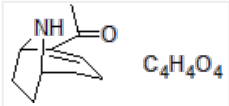
Biological Data

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| Biological description | Potent nicotinic agonist (K_i values are 1.25 and 1840 nM at $\alpha 4\beta 2$ nM and $\alpha 7$ receptors respectively). Natural alkaloid. Induces fast death via depolarizing blockade of neuromuscular transmission. |
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Solubility & Handling

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| 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

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|---------------------------|--|
| Chemical name | (±)-2-Acetyl-9-aza bicyclo[4.2.1]non-2-ene fumarate |
| Molecular Weight | 281.31 |
| Chemical structure |  |
| Molecular Formula | $C_{10}H_{15}NO \cdot C_4H_4O_4$ |
| CAS Number | 1219922-30-1 |
| PubChem identifier | 57369796 |
| SMILES | <chem>CC(=O)C1=CCCC2CCC1N2.C(=O)C(=O)O</chem> |
| 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 |