

# Certificate of Analysis



| Product Identification  |   | Chemical Structure                |
|-------------------------|---|-----------------------------------|
| Catalog number          | HB7494  |                                   |
| Compound name           | Dihydroanatoxin fumarate  |                                   |
| Chemical name           | 2-acetyl-9-azabicyclo[4.2.1]nonan-9-ium fumarate                                      |                                   |
| Batch number            | E2100-16-2  |                                   |
| Batch molecular formula | $C_{10}H_{17}NO \cdot C_4H_4O_4 \cdot xH_2O$  |                                   |
| Batch molecular weight  | 283.32  |                                   |
| Method                  | QC requirement  | QC Result                         |
| NMR                     | $^1H$ NMR in $D_2O$ at 400 MHz consistent with structure showing a mixture of isomers | Meets specification               |
| Mass spectrum           | Electrospray positive analysis consistent with structure                              | Meets specification               |
| TLC                     | TLC analysis in 5% MeOH/DCM shows one spot under ninhydrin                            | Meets specification: $R_f=0.3$    |
| Physical appearance     | Yellow to orange solid  | Meets specification: Orange solid |
| Solubility              | Soluble in water (1 mg/ml)  | Meets specification               |

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

17/04/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.