



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-500457
Lot Number: SAMPLE
Product Name: Dabigatran-d7
CAS Number:
Molecular Formula: $C_{25}H_{18}D_7N_7O_3$
Molecular Weight: 478.55
Native Source: Synthetic

| Test | Specification | Result |
|------------------------------------|---------------|---------------------------|
| Appearance | | Off-white solid |
| Identification (1H-NMR) | | Consistent with structure |
| Identification (Mass Spectrometry) | | Consistent with structure |
| Purity (TLC) | | 94.88% |
| Purity (UHPLC) | | 97.0% |
| Atmosphere | | Inert Gas |
| Melting Point | | > 263 °C (dec.) |
| Solubility | | Aqueous Acid (Slightly) |
| Carbon Content | 62.74% | 59.40% |
| Hydrogen Content | 5.27% | 5.46% |
| Nitrogen Content | 20.49% | 18.98% |

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