

## Certificate of Analysis

**Product Name:** DL-Norepinephrine: HCL (Ring-D3,1,2,2-D3, 99%)

(Isotopic Label & Enrichment Specification)

2-ALT-33-6 Lot Number:

**Catalog Number:** CMS-T110022

**Product Solubilite information:** 100µg/ml in methanol

**Product Information** 

Structure: Chemical Purity Specification: ≥98%

**Isotopic Purity:** 99%

MW\*:\*For isotopically labeled

compounds, MW listed is for the fully

211.68 enriched product.

Labeled CAS Number: 1219803-04-9

Chemical Formula: C<sub>8</sub>H<sub>5</sub>D<sub>6</sub>NO<sub>3</sub>· HCl

upight in sub-freezer -60°C to -80°C Long Storage:

Certification

Cmass guarantees that this material meets or exceeds the specifications stated. Absolute identity as well as chemical and isotopic purities are assured by the use of unambiguous synthetic routes and multiple chemical analyses whenever possible. Results are representative of QC testing at time of release from Quality Control unless otherwise stated. This COA references the bulk catalog number before packaging.

Approved by: Kilenky Stephen

Kilenky Stephen Quality Review

**Additional Information** 

Purity is based on the analytical results of the tests performed. NMR and TLC may have an accuracy of  $\pm 1/2$ %. Isotopic purity is based on mass distribution observed.

OC Test Date

Retest Date

June 14, 2018

June 12, 2021