

## NEWS RELEASE

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### **Cerilliant Introduces New Snap-N-Spike<sup>®</sup> Internal Standards of Nicotine Metabolites**

ROUND ROCK, TEXAS – January 9, 2014 – Cerilliant introduces two new Certified Spiking Solutions<sup>®</sup> of nicotine metabolites anabasine-D<sub>4</sub> HCl and trans-3'-Hydroxycotinine-D<sub>3</sub> at concentrations of 100 µg/mL in methanol. These solution standards can be used as internal standards spiked into patient samples or in isotope dilution methods for quantification of anabasine and 3-hydroxycotinine levels in nicotine screening and other clinical or diagnostic testing applications by GC/MS, LC/MS, or LC-MS/MS.

Tobacco use represents the largest preventable health hazard in the United States, accounting for the deaths of 443,000 adults each year.<sup>1</sup> Routine screening of nicotine biomarkers in individuals who use tobacco products such as cigarettes, electronic cigarettes, nicotine gum, and oral snuff may be inevitable as greater portions of the population obtain health insurance through state exchanges and more businesses go toward no tobacco policies.

“As more laboratories are receiving calls to test for nicotine and nicotine metabolites, the demand for fully characterized, highly pure Certified Reference Materials increases,” comments Mitzi Rettinger, Vice President of Cerilliant. “These new internal standards are produced to the highest industry guidelines in our convenient Snap-N-Spike<sup>®</sup> format that maximizes laboratory throughput.”

Cerilliant offers Snap-N-Spike<sup>®</sup> Certified Reference Materials (CRMs) of the major tobacco alkaloids, metabolites, and nitrosamines including NNN, NNK, NNAL, and NAB in addition to native and stable labeled internal standards of nicotine, cotinine, nornicotine, trans-3'-hydroxycotinine, and anabasine. These standards are suitable for clinical toxicology, clinical and diagnostic testing, nicotine screening, and environmental monitoring applications. Each CRM from Cerilliant is supported by a comprehensive Certificate of Analysis (COA), which provides all analytical data from full neat material characterization and solution standard verification to uncertainty and traceability information to meet laboratory regulatory requirements.

**About Cerilliant**

Cerilliant Corporation, located in Round Rock, Texas, is a global leader in providing certified reference standards for critical applications. The company has been providing certified reference materials for over 30 years. Cerilliant offers more than 3,000 catalog products and a full range of custom products and services that address the stringent and complex requirements of the pharmaceutical, clinical diagnostic, clinical/forensic toxicology, natural products, and environmental industries. Cerilliant sustains a modern, robust quality system, which incorporates cGMP, GLP, and ISO requirements. We are accredited to ISO Guide 34 and ISO/IEC 17025, certified to ISO 13485 and ISO 9001:2008, and are compliant with ISO 17511 and ISO 15194.

Cerilliant Corporation is a subsidiary of Sigma-Aldrich®. For more information about Cerilliant, please visit [www.cerilliant.com](http://www.cerilliant.com).

1) [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6144a2.htm?s\\_cid=%20mm6144a2.htm\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6144a2.htm?s_cid=%20mm6144a2.htm_w)