BRAND NAME JUSTIFICATION

The brand name product being purchased is **Virscidian Analytical Studio software**, provided by **Virscidian, Inc./Dotmatics**, including the required software subscriptions, modules, support, and maintenance. NCATS requires continued annual subscription licenses to support the Analytical Chemistry Core (ACC), Division of Preclinical Innovation (DPI), and Reaction Screening activities under the ASPIRE project.

NCATS currently relies on Virscidian Analytical Studio to automate and streamline chromatography-mass spectrometry (LC/MS) data analysis workflows for high-throughput, plate-based reaction screening. The software directly supports data generated from Agilent and Waters HPLC-UV/MS and UPLC-MS systems and provides an integrated workflow for instrument data ingestion, analysis, visualization, reporting, and management.

Virscidian Analytical Studio is proprietary software developed and licensed exclusively by Virscidian, Inc./Dotmatics and is not available through third-party resellers. The software provides unique capabilities required by NCATS, including direct ingestion of LC/MS data, automated compound identification and quantification, calculation of reaction conversion and yield, visualization of plate-based reaction screening data, multi-user support, and export to Excel and other reporting formats.

The requirement is not for general analytical software, but for continued use of the specific platform currently integrated with NCATS' existing analytical environment, workflows, instrument integrations, and historical datasets. Use of another product would require migration, validation, workflow redevelopment, staff training, and transition time, resulting in disruption to ongoing Reaction Screening and analytical chemistry operations.

Accordingly, **Virscidian Analytical Studio software** is the only brand name product capable of meeting the Government's technical and operational requirements while ensuring continuity of research, compatibility with existing Waters and Agilent instrumentation, continued access to previously generated analytical datasets, and preservation of prior Government investments.