

POSTER: **Mobilizing EPA's Comptox Chemistry Dashboard Data on Mobile Devices**

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The EPA's National Center of Computational Toxicology (NCCT) Chemistry Dashboard provides access to chemistry data for about 720,000 chemical substances. The application is used to source, for example: physicochemical property data, bioassay screening data and functional use, and product composition data. The dashboard allows flexible searches based on chemical names, CAS numbers and mass and formula to support non-targeted screening research for mass spectrometry. Since NCCT provides Open Data to the community it is therefore available for reuse and redistribution in other forms of software. Free access to these data has resulted in the provision of mobile applications supporting identifier and mass-based searching of the data. These software applications provide access to hundreds of thousands of chemical structures on a mobile device to support compound identification (the m/z Comptox mobile app) and to provide access to chemistry data via a chemical search on a handheld device and direct connection to a web-based dashboard. *This abstract does not reflect U.S. EPA policy.*