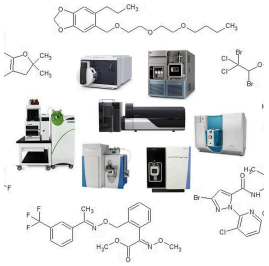
Sep 09, 2022 Version 2

OPestTL V1.4 -- the Open Pesticide Transition Library V.2



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External link: https://proteomicsnews.shinyapps.io/oPestTLv104

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Protocol status: Working
We use this protocol and it's working

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Keywords: Pesticides, LCMS, LCMSMethods.org, Johns Hopkins Pesticide Research, mass spectrometry, open pesticide transition library pesticide residue screening, form of the open pesticide transition library, single largest open library of pesticide transition, libraries of pesticide transition, pesticide transitions for various instrument, open pesticide transition library, separate pesticide screening assay, pesticide transition, pesttl, common adducts for these compound, opesttl, common adduct, compound

Disclaimer

These transitions are for research purposes only and are intended to help speed method development. No guarantees are implied. For details ahead of publication, including the origin of any transitions not originally developed in this study, please contact the author.

Abstract

Pesticide residue screening is a critical method for environmental and food safety. Today, disjointed libraries of pesticide transitions can make it challenging to develop new methods between instrument vendors. From the combined experience of thousands of separate pesticide screening assays performed by this author, I have compiled a library of over 4,000 pesticide transitions for various instruments. These transitions are presented here in the form of the Open Pesticide Transition Library (OPestTL) along with optimized transitions and settings for insturments from 5 separate instrument vendors. Exact masses are also provided for screening with high resolution instruments in the form of the 3 most common adducts for these compounds. While a growing work, PestTL represents the single largest open library of pesticide transitions assembled to date. v104 contains corrected declustering potentials for relevant instruments and minor corrections caught during the peer review process.

Attachments

XLSX

oPestTL_V104.xlsx
180KB

Troubleshooting