Resource Summary Report

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Yale University Chemical and Biophysical Instrumentation Center Core Facility

RRID:SCR_021738
Type: Tool

Proper Citation

Yale University Chemical and Biophysical Instrumentation Center Core Facility (RRID:SCR_021738)

Resource Information

URL: http://cbic.yale.edu

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Description: Core has range of instruments for characterization and structure elucidation of chemical and biophysical samples. Our staff maintains instruments and provides data collection services as well as training and support for self use of many of our instruments. We are most equipped in areas of NMR spectroscopy, Mass spectrometry and X-ray crystallography, but we also have optical and calorimetric instruments.

Abbreviations: CBIC

Synonyms: Yale Chemical and Biophysical Instrumentation Center

Resource Type: service resource, core facility, access service resource

Keywords: USEDit, ABRF, NMR spectroscopy, Mass spectrometry, X-ray crystallography

Funding:

Resource Name: Yale University Chemical and Biophysical Instrumentation Center Core Facility

Resource ID: SCR_021738

Alternate IDs: ABRF_1217

Alternate URLs: https://coremarketplace.org/?FacilityID=1217

Record Creation Time: 20220129T080357+0000

Record Last Update: 20250514T061917+0000

Ratings and Alerts

No rating or validation information has been found for Yale University Chemical and Biophysical Instrumentation Center Core Facility.

No alerts have been found for Yale University Chemical and Biophysical Instrumentation Center Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Subbotina E, et al. (2024) Room temperature catalytic upgrading of unpurified lignin depolymerization oil into bisphenols and butene-2. Nature communications, 15(1), 5892.

Howell RA, et al. (2024) Bifunctional Molecules That Induce Both Targeted Degradation and Transcytosis of Extracellular Proteins in Brain Cells. Journal of the American Chemical Society.

Silva Elipe MV, et al. (2024) Cryogen-free 400-MHz nuclear magnetic resonance spectrometer as a versatile tool for pharmaceutical process analytical technology. Magnetic resonance in chemistry : MRC, 62(7), 512.

Huseman ED, et al. (2024) Mechanism of Action of KL-50, a Candidate Imidazotetrazine for the Treatment of Drug-Resistant Brain Cancers. Journal of the American Chemical Society, 146(27), 18241.

Leung CC, et al. (2023) Systematic characterization of photoperiodic gene expression patterns reveals diverse seasonal transcriptional systems in Arabidopsis. PLoS biology, 21(9), e3002283.

Stropoli SJ, et al. (2023) Characterization of Oxidation Products from HOCl Uptake by

Microhydrated Methionine Anions Using Cryogenic Ion Vibrational Spectroscopy. The journal of physical chemistry. A, 127(19), 4269.

Fataftah MS, et al. (2023) Valence Delocalization and Metal-Metal Bonding in Carbon-Bridged Mixed-Valence Iron Complexes. Chemistry (Weinheim an der Bergstrasse, Germany), 29(63), e202301962.

Choi S, et al. (2023) Catalytic Asymmetric Synthesis of Atropisomeric N-Aryl 1,2,4-Triazoles. The Journal of organic chemistry.

Henry SP, et al. (2022) Covalent Modification of the JH2 Domain of Janus Kinase 2. ACS medicinal chemistry letters, 13(11), 1819.

Liosi ME, et al. (2022) Insights on JAK2 Modulation by Potent, Selective, and Cell-Permeable Pseudokinase-Domain Ligands. Journal of medicinal chemistry, 65(12), 8380.

Henry SP, et al. (2022) Conversion of a False Virtual Screen Hit into Selective JAK2 JH2 Domain Binders Using Convergent Design Strategies. ACS medicinal chemistry letters, 13(5), 819.

Gao X, et al. (2017) Evolution of host adaptation in the Salmonella typhoid toxin. Nature microbiology, 2(12), 1592.

Deng L, et al. (2014) Host adaptation of a bacterial toxin from the human pathogen Salmonella Typhi. Cell, 159(6), 1290.