

# Core Analytical Services (CAS)

A comprehensive analytics platform delivering rapid, cost-efficient, & reliable services



CAS high-end instruments **1,500+**



Technical teams with nearly **1,000** professionals



CAS laboratory space approximately **29,000** Square meters



## Reaction monitor and quality control

Open-access HPLC, LCMS, GC/GCMS, 1HNMR etc. **0.5-2 hr** turnaround



## High-throughput purification

RP-HPLC, NP-HPLC; mg to multi-kg scales; **600-800k** compounds annually



## Chiral separation services

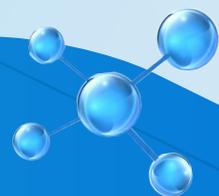
SFC, HPLC; mg to multi-kg scales; **40-60k** compounds annually



### Contact us

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### Integrated structure elucidation platform

HRMS, 1D/2D NMR; absolute stereochemistry determination (single crystal x-ray, VCD)



### Analytical testing capabilities

IR, UV, KF, ROI, DSC, TGA, XRPD, OR, IC, ICPMS, XRF, HRMS, Isotopic Purity, GCMSMS, LCMSMS, etc.



### Physicochemical property determination

High quality pH, LogD/LogP, solubility, pKa, EPSA testing;  
**15,000+** compounds annually



### Polymer analytical platform

Mw, Mn, PDI, DP determination by GPC-Mals, Maldi-TOF, NMR-DOSY, etc.; **50+** general methods



### Natural products services

Bioactive molecules isolation from plant extract, in mg to kg scales; **1,800** library compounds in stock