

Mass Spec. Screening Services

Axxam and Momentum Biotechnologies join forces to offer Mass Spectrometry Based Drug Discovery Services

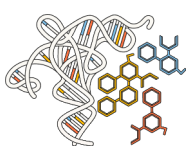
Choose the high quality Axxam compound collection for Affinity Selection Mass Spectrometry (ASMS) screening at Momentum Biotechnologies to access a label-free, native analyte screening technology that enables intractable screening targets

Momentum Biotechnologies Mass Spectrometry Assays

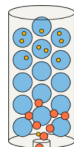
Identification of binders for protein and nucleic acid targets, exploiting all possible small molecule binding sites on target (orthosteric, allosteric and "silent")

Affinity Ligand Identification System (ALIS)

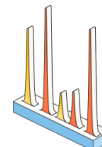
Target-compound incubation



Size exclusion chromatography



Reverse phase chromatography



Time-of-flight MS



Primary HTS assay development

ASMS screening

Screening collection

Hit confirmation

Kd determination

Hit-to-lead

Secondary assays & complementary services

Axxam Screening Collection

AXX^{DIV4.0}



~ 325,000 compounds
Compounds from recent collections at Enamine
Driven by quality and diversity, not target class focused
Multiple filters applied to exclude unwanted features
Four different non overlapping subsets available

Discovery set
~ 180,000 compounds

CNS set
~ 35,000 compounds

Explorer^{PLUS} set
~ 98,000 compounds

Probe set
~ 12,000 compounds

Axxam Services

Protein production
Functional assay development
Plate-based compound testing:
• Various optical readouts
• Electrophysiology
• Gene expression
• Radiometric screening
• Image-based screening
• Biophysical test (TSA/MST)
Compound management
Medicinal chemistry support
ADME & physicochemical test