

# Mass Spectrometry Screening Services

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

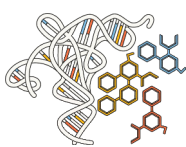
Choose the high quality Axxam compound collection for Affinity Selection Mass Spectrometry (ASMS) screening at Momentum Biotechnologies to access a label-free, native analyte screening technology that enables intractable screening targets

### Momentum Biotechnologies Mass Spectrometry Assays

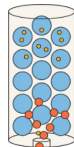
Identification of binders for protein and nucleic acid targets, exploiting all possible small molecule binding sites on target (orthosteric, allosteric and "silent")

### Affinity Ligand Identification System (ALIS)

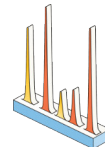
Target-compound incubation



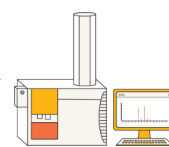
Size exclusion chromatography



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

~ 325,000 compounds of the **AxxDiversity** library  
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

### Axxam Services

Protein production  
Functional assay development  
Plate-based compound testing:

- Various optical readouts
- Electrophysiology
- Gene expression
- Image-based screening
- Biophysical test (TSA)

Compound management  
Medicinal chemistry support  
Computational chemistry support  
ADME & physicochemical test



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