PHOSPHOPEPTIDE ENRICHMENT AND ANALYSIS USING A COMBINATION OF METAL OXIDE AFFINITY PURIFICATION AND LC-MA LD-MS

INTRODUCTION

- Enrichment strategy for phosphopeptides using a novel metal oxide strategy.
- The novel metal oxide strategy differs from other methods in its ability to enrich phosphopeptides without eluting them with a non-covalent method.

METHODS

- Samples were prepared using the novel metal oxide enrichment strategy.
- The enriched phosphopeptides were then analyzed using LC-MS/MS.

RESULTS

- A total of 12 phosphopeptides were identified using the novel enrichment strategy.
- The phosphopeptides were found to be enriched in the sample with a high degree of specificity.
- The enriched phosphopeptides were then analyzed using LC-MS/MS to determine their mass and sequence.

CONCLUSION

- The novel enrichment strategy is effective in enriching phosphopeptides from complex mixtures.
- The enriched phosphopeptides can be further analyzed using LC-MS/MS to determine their identity.

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REFERENCES


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