



Oceans of Possibilities...

Magellan Bioscience is offering a synthetic peptide library suitable for high-throughput screening (HTS), cell based high-content screening (HCS), microarray assays, and chemical-biology applications. The library contains 2400 pure peptides and 811 unpurified peptides, and consists of small peptides such as dipeptides and tripeptides and larger up to 42-mers with the average sequence length being 15-mer. The library contains modified/derivatized peptides that contain 9-tetradecenoyl-, biotinyl-, 7-methoxycoumarin-4-acetyl-, dansyl-, and phenylacetyl- groups. There are peptides that are sequence-scans of proteins, i.e. overlapping peptides by 5 amino acids, for example, along the whole sequence of a protein.

The collective sequence of the peptides is a valuable source of many structural motifs that can be identified to have new activity. These can be discovered as new leads for drug or other research. From these leads a smaller peptide can be made or changes in the sequence can be studied to increase the activity. Considering 3 amino acids as a motif (similar to an antigenic determinant), there are well over 15,000 (5 motifs in a 15-mer x no. of peptides) possible motifs that can be assayed.

The peptides were synthesized on automatic synthesizers using the solid-phase peptide chemistry protocols of either Boc chemistry or Fmoc chemistry, and purified by HPLC chromatography and analyzed by amino acid analysis or mass spectrometry to confirm the structure.

The library is available on 96-well plates or in vials. For a quotation, or to discuss further how our library and services may be of assistance to you, please feel free to contact us at the information provided below:

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