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CEM’s Microwave Peptide Synthesizer Allows Mimotopes to Successfully Synthesize Difficult 52mer Peptide Synthesis Not Previously Possible Under Conventional Conditions

Australian biotechnology company Mimotopes, a wholly owned subsidiary of PharmAust (ASX:PAA) and Phyllogica (ASX:PYC), has successfully utilized the CEM Liberty™ Microwave Peptide Synthesizer to synthesize a long, difficult peptide sequence known as Phylomers®. Using the Liberty, Mimotopes was able to obtain a crude purity of ~65% with a total synthesis time of 48 hours. Previous attempts using conventional technology yielded <5% crude purity with a significantly longer synthesis time.

Phylomers®

Sequence: GRKKRRQRRGDSIRRRGENISSQEVEAVLMSHPVNAAYYPVRGDLPGD

In August 2005, Phyllogica signed a partnering deal with Melbourne-based Mimotopes Pty Ltd, a global leader in the development of pre-clinical peptides for biological and pharmaceutical applications. Mimotopes’ proprietary technologies in peptide synthesis provide it with a unique ability to produce large libraries of long and unusual peptides, including Phylomer® peptides. Using their complementary technology platforms, Phyllogica and Mimotopes are now working together to develop the next generation of peptide drugs.