

# Peptide Efficiency

Accurate research is very important to us, so we thought we would do a short review on some of the peptide tips we have recently posted. We hope that these simple guidelines will help perfect your peptide research!

## **Tip: Opening your peptides when they arrive**

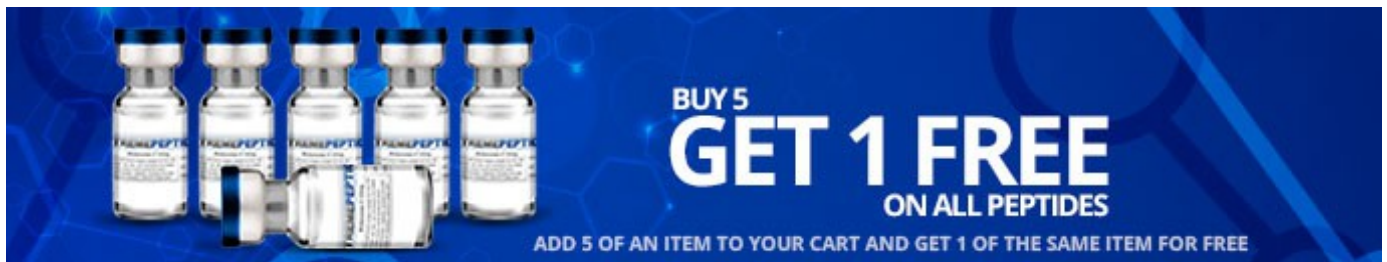
Prior to opening the vial containing the peptide, it is best to equilibrate the material to room temperature in a desiccator. Failure to warm the peptides can cause condensation to form on the product upon opening the bottle, reducing stability.

## **Tip: How to weigh peptides**

When weighing out a quantity of peptide, warm the package as noted above and perform the measurement as quickly as possible. Store all unused peptide at 0°C or less. Sequences containing cysteine, methionine, tryptophan, asparagine, glutamine, or N-terminal glutamic acid will have shorter shelf lives than other peptides.

## **Tip: Peptide storage guidelines**

Lyophilized peptides should be stored in a sealed container with desiccant at -20°C (at least 0°C) in order to minimize peptide degradation. The peptide can be stored for several years under these conditions, which also prevent bacterial degradation, secondary structure formation, and oxidation. Short periods of elevated temperatures (less than 45 days) will not damage the peptide. Always keep away from sunlight.



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The banner features five glass vials with white labels and black caps, arranged in a row. The background is a dark blue with a subtle pattern of white dots and lines, suggesting a molecular or scientific theme.