CARE AND HANDLING OF PEPTIDES

Stringent analytical specifications ensure a complete identification and a high quality standard for every Bachem product. For reconstitution and storage we recommend to follow the guidelines below.

Net peptide weight
The peptide content has to be taken into consideration when preparing solutions of a defined concentration. While peptides for research use are typically > 95% pure by HPLC, the peptide content of the solid may range from 70 to 90% as peptides contain counter ions (e.g. acetate, trifluoroacetate) and residual moisture. The peptide content of each batch is shown on the corresponding Analytical Data Sheet, which is available from our website at www.bachem.com.

Handling of lyophilized peptides
- Peptides should be stored below -15 °C for maximum stability.
- Because peptides are often hygroscopic, warm peptide samples to room temperature in a desiccator prior to opening and weighing out peptides to be used. Adsorption of water may decrease stability and reduce the overall peptide content.
- Weigh out peptides quickly and reseal bottle tightly.

Solubilization and storage
- Dissolve peptides in an appropriate buffer: acidic peptides in basic buffer and basic peptides in acidic buffer. If necessary, sonicate briefly.
- Peptides containing Trp, Met or Cys require special care to avoid oxidation. Oxygen-free water or reducing agents may be used.
- For storage, peptide solutions should be aliquoted and kept frozen below -15 °C. Most peptides containing Trp, Met, Cys, Asn or Gln have limited shelf life. Longterm storage is not recommended.

We hope you are successful in working with our peptides. Please don’t hesitate to contact us. We are here to provide you with any product information needed.