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DATASHEET

1% NH4OH solution

Product overview

Name 1% NH4OH solution

Cat No HB9790

Biological description 1% NH4OH solution which can be used as the solvent for Beta-Amyloid (1-42) and (1-40) peptides.

Please ensure that you are using the appropriate solubilization buffer/ methodology for reconstituting your Beta-amyloid peptide.

When using Beta-amyloid peptides (1-42) or (1-40), you should use 1.0% NH4OH as the solvent followed by buffer (for example 1X PBS).

- 1. Add 1.0% NH4OH directly to the lyophilized peptide (\sim 70-80 μ l for 1mg of peptide). Do not store the peptide in 1.0% NH4OH.
- 2. Immediately dilute your solution to a concentration of ~1mg/mL or less with 1X PBS or alternative buffer.
- 3. Vortex gently to mix (less than 1 minute).

Note: This method may not completely remove pre-aggregates. Vortexing may encourage seeding and

further aggregation of the peptide.

1% Ammonia solution

Alternative names

Biological action Reagent

Description

1% NH4OH solution which can be used as the solvent for Beta-Amyloid (1-42) and (1-40) peptides

Solubility & Handling

Storage instructions

Important

Room temperature

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use

Chemical Data

Chemical name Ammonium hydroxide

References

Ammonium hydroxide treatment of Aß produces an aggregate free solution suitable for biophysical and cell culture characterization.

Ryan et al (2013) PeerJ 7;1

PubMedID 23678397