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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 (~70-80 µl 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.
Alternative names	1% Ammonia solution
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	Room temperature
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions	Stable for ambient temperature shipping. Follow storage instructions on receipt.
Important	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
Molecular Weight	35
Molecular Formula	NH_5O
CAS Number	7664-41-7
Appearance	colorless solution

References

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

Ryan et al (2013) PeerJ 7;1

PubMedID 23678397