

SMALL MOLECULES

Frequently Asked Questions

1. What are the recommended storage and handling conditions for small molecules?

Please refer to the product label, Technical Data Sheet (TDS) and Certificate of Analysis (CofAs) for the recommended storage conditions for each product. As a guide, compounds that are stored at -20°C are stable for up to 3 years and compounds stored at 4°C are stable up to 2 years. Always wear PPE when handling this product.

2. How are small molecules shipped?

Small molecule compounds are known to be stable for the duration of shipping and normal handling. All small molecules are shipped at room temperature. Upon receipt of your product, please make sure you follow the long-term storage instructions on the label or TDS.

3. What documents are provided with each product?

Each small molecule has a TDS, CofA, and SDS (Safety Data Sheet). Every product ships with a TDS and CofA. Additional information and product downloads can be found online at captivatebio.com.

4. What does the product look like?

Most small molecules from Captivate Bio are provided in powder format within a small vial. Smaller quantities can sometimes be difficult to see as they may have coated the bottom or the walls of the vial during shipment.

5. What if I can't see any product in the vial?

Some small molecules sold in very small quantities can coat the walls or bottom of the vial or aren't always visible to the eye. As a guide, make sure that the solvents you are using come into contact with all areas of the vial when preparing the solution.

6. Can I add solvents directly into the product vial?

For compounds (powder) containing 10 mg or less, add solvents directly into product vial and prepare aliquots. For larger sized compounds containing more than 10 mg, we recommend weighing out your compound and preparing only what is needed on the day of the experiment. We recommend that stock solutions, once prepared, are aliquoted in tightly sealed vials at -20°C or below and used on the same day or within 1 month.

7. How do I prepare a sterile solution?

To prepare a sterile solution, we recommend that you make up your stock solution and then filter it using a 0.2 µm microfilter. If working with DMSO, since it is strongly bactericidal, it should not introduce bacteria into compounds. We also recommend that you make sure your working environment follows sterile protocols and instruments. We do not recommend high temperature or high-pressure sterilization.

8. What is the labelling and regulatory status of your small molecules?

Unless otherwise specified, all products are for Research Use Only and not intended for use in diagnostic or therapeutic procedures. Not for use in humans or animals.

9. What other helpful tips do you have for using small molecules in my research?

- Before opening the product vial, please centrifuge the vial in order to make sure all of the powder granules collect at the bottom of the vial.
- Choose the appropriate solvent for preparation of your stock solution. DMSO solubility and reconstitution is noted within the products' technical data sheets.
- Once stock solution is prepared, aliquot into ready-to-use volumes, to avoid repeated freeze-thaw cycles.
- Store aliquots of stock solutions at -20°C (for up to one month only) or -80°C (for up to 6 months only).
- Stock solutions prepared with ddH₂O can be directly diluted into cell culture medium to prepare working solutions. If using DMSO, make sure the concentration of DMSO is <0.5% to avoid poisoning your cells.

For additional product or technical information, please visit www.captivatebio.com, email orders@captivatebio.com, or call customer service at (617) 607-4017.