

# LEAD SELECT

## P.O.

per oral

# USER GUIDE DISCOVERY KIT

**Lead Select PO (LSPO) is an oral dosing vehicle for dissolving poorly soluble research compounds**

### Contents:

- 3 x vials (10 mL) of LSPO Store at room temperature
- 15 x empty vials (6 mL) with screw caps
- 15 x disposable syringes (2 mL) with needles

### Equipment required:

- Balance
- Sonicator bath
- Vortex mixer

### Directions for use

The following directions are suggestions for producing **4 mL** of a final dosing vehicle containing up to **20 mg** i.e. 5 mg / mL of your insoluble compound. The amounts may be scaled up or down proportionally depending upon your dosing requirements.

### A two step preparation procedure is recommended:

1. Dissolve compound in LSPO
2. Dilute with deionised water



If you have any questions or feedback on your use of Phares Lead Select PO please let us know:

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## STEP ONE:

### Dissolve compound in LSPO

1. Weigh 20 mg of compound into a 6 mL vial
2. Add 2 mL of vehicle via syringe
3. Seal the vial with the screw cap supplied and place in a sonicator bath with intermittent vortex mixing until the compound has fully dissolved
4. Visually inspect the solution and if it is clear allow to cool to room temperature and proceed to Step 2 below only if the solution does not recrystallize at room temperature

## STEP TWO:

### Dilute with deionised water

1. Add to the vial 2 mL of deionised water
2. Seal the vial with screw cap provided
3. Vortex until an homogenous liquid is obtained
4. If foaming is excessive, sonicate briefly to remove air bubbles

### Administering vehicle orally to animals

The resultant diluted vehicle is ready for administration orally and should be used within 24 hours.



#### Note:

Only for non-human ORAL testing, NOT suitable for other routes of administration.

The vehicle may solidify and opacify if stored or transported under cool conditions. If this occurs the vehicle can easily be liquefied and clarified by warming the vials up to 50°C, for instance under running warm tap water.

When using syringes please take due care to avoid needle stick injury.