

Cabozantinib Formulation

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For in vivo experiments (the concentration of 60 mg/kg)

1. Prepare vehicle solution---15% PVP/H₂O: Dissolve 15.8 g of PVP into 84.2 mL of water and then sterile filtered. Once this solution is made, keep in dark at room temperature.
2. Make cabozantinib solution: Dilute cabozantinib into 15% PVP/H₂O for final concentration of 12 mg/ml. Dosing solutions seem to be fine for 2-3 weeks at 4 °C kept in the dark.
3. Dose at 100 ul po/20 g mouse (=60 mg/kg).

Products information

1. Cabozantinib is from LC Laboratories, product number c-8901, 1g.
Link: <https://lclabs.com/products/c-8901>
2. The PVP is from Sigma-Aldrich, product number #81420, 100g (Polyvinylpyrrolidone K 30 avg MW 40,000).
Link: <http://www.sigmaaldrich.com/catalog/product/sial/81420?lang=en®ion=US>

For in vitro experiments

1. Purchase cabozantinib with the amount of 1g.
2. Dissolve cabozantinib in 1ml of DMSO to the stock concentration of 50mM/L. For long term storage, freeze aliquots and store at -80.
3. Then dilute cabozantinib to a middle concentration with cell culture medium before adding to cell culture.