

1/26/05

### **Protease and phosphatase inhibitor stock solutions**

**Leupeptin** [Calbiochem 108975]: (1000X) 1mg/mL in H<sub>2</sub>O. Freeze 100μL and 10μL aliquots @ -20°C, good for ~2-3month.

**Pepstatin A** [Calbiochem cat# 516481]: (1000X) 1mg/mL in EtOH. Freeze 100μL and 10μL aliquots @ -20°C, good for ~2-3month.

**Aprotinin** [Calbiochem cat# 616398]: (1000X) (5mg/mL) in H<sub>2</sub>O. Freeze 50μL and 10μL aliquots @ -20°C, good for ~2-3month.

**PMSF (174.2g/mol)** [Sigma cat# P-7626]: (200X) 200mM (0.35g/10mL) in 2-propanol. Freeze 500μL and 50μL aliquots @ -20°C. or make 100mM (0.17g/10mL)

**Sodium Orthovanadate (183.9g/mol)** [Calbiochem cat# 567540 lot#]: (200X) 200mM (1g/27mL) in H<sub>2</sub>O. Adjust pH to 10.0 with either NaOH or HCl, solution is initially a yellow/orange color. Boil solution until it becomes colorless, cool to room temp and readjust pH to 10.0. Repeat until solution remains colorless and the pH stabilizes at 10.0 after cooling to RT.

**Sodium Fluoride (41.99g/mol)** [Sigma cat# S-7920]: (10X) 1M (4.19g/100mL) in H<sub>2</sub>O store at room temp, no need to aliquot. Yippie!

### **Other stock solutions:**

**β-glycerophosphate (216.0g/mol)** [Sigma cat# G-9891 lot# 112K5456]: 175mM (3.78g/100mL) in H<sub>2</sub>O. Freeze 1.5mL and 0.5mL aliquots @ -20°C.

**Sodium Pyrophosphate (446.06g/mol)** [Sigma P-949 lot#091K0063]: 100mM (4.46g/100mL) in H<sub>2</sub>O. Freeze 1.5 and 0.5mL aliquots @ -20°C.