

# Product Datasheet

## Phorbol 12-myristate 13-acetate (PMA) NBP2-33203

Unit Size: 1 mg

Store at -20C in the dark. Avoid freeze-thaw cycles.

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**NBP2-33203**

Phorbol 12-myristate 13-acetate (PMA)

**Product Information**

<b>Unit Size</b>	1 mg
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at -20C in the dark. Avoid freeze-thaw cycles.

**Product Application Details**

<b>Application Notes</b>	PMA is soluble in acetone, DMSO, ethyl acetate, ethanol and methylene chloride, but is practically insoluble in water. The concentration of PMA in a saturated PMA-PBS solution has been reported to be 2.3 mg PMA per liter of PBS (i.e. 3.7 $\mu$ M). To prepare aqueous solutions of PMA, it is best to start out with a concentrated solution of the compound in DMSO (20 mM) and dilute a very small aliquot of this solution rapidly with water or buffer. The compound may also be dissolved in a water-soluble detergent such as Cremophor EL at 37 degrees C and then diluted further with an aqueous medium. PMA solutions are sensitive to acid and alkaline conditions. PMA solutions in methylene chloride and ethyl acetate (at concentrations of 0.2 mM) or DMSO (20 mM) do not show any detectable autoxidation if stored in diffuse daylight for about 14 days at room temperature.
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