Product Information

**Compound 48/80**

*Catalog Number C2313*

*Storage Temperature –20 °C*

**Product Description**

Molecular Formula: C$_{11}$H$_{15}$NO (monomer)$^2$

Molecular weight: 153 (monomer)$^2$

Compound 48/80 is a condensation product of N-methyl-p-methoxyphenethylamine with formaldehyde; it is a mixture of low-molecular weight polymers having a degree of polymerization between 3 to 6.$^1$

Compound 48/80 is a potent histamine releasing agent, primarily from mast cells, with a subsequent depletion of tissue histamine. It is the action of mast cell mediators on the cardiovascular system that leads to circulatory collapse.$^3$ The toxicity is due to more than histamine release.$^5$ It is a potent inhibitor of phospholipase C.$^6$

This material has been used to induce degranulation of GnRH-like immunoreactivity of mast cells in the brain and mesentery$^7$ and for elucidating the mechanism by which anti-allergic medications suppress conjunctivitis.$^8$

**Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Preparation Instructions**

This product is soluble in water, 50 mg/ml, yielding a clear solution.

**Storage/Stability**

Store at –20 °C.

Solutions can be autoclaved at 15 psi for 30 minutes with no detectable change in toxicity or potency.

**References**