**PRODUCT INFORMATION**

**Compound 48/80 (hydrochloride)**

*Item No. 22173*

**CAS Registry No.:** 848035-21-2  
**Formal Name:** 4-methoxy-3,5-bis[[2-methoxy-5-[2-(methylamino)ethyl]phenyl][methyl]-N-methyl-benzeneethanamine, trihydrochloride  
**MF:** C_{32}H_{45}N_{3}O_{3} • 3HCl  
**FW:** 629.1  
**Purity:** ≥95%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥2 years  
**Special Conditions:** Store under desiccating conditions

*Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.*

**Laboratory Procedures**

Compound 48/80 (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the compound 48/80 (hydrochloride) in water. The solubility of compound 48/80 (hydrochloride) in water is approximately 100 mM. We do not recommend storing the aqueous solution for more than one day.

**Description**

Compound 48/80 is a condensation product of N-methyl-p-methoxyphenethylamine with formaldehyde that causes histamine degranulation from mast cells.\(^1\) Compound 48/80 also inhibits human platelet aggregation through suppression of calmodulin (CaM) (IC\(_{50}\) = 0.41 μg/ml for CaM-dependent Ca\(^{2+}\)-transporter ATPase activity) and phospholipase C (IC\(_{50}\)s = 2.1 and 5.0 μg/ml for cytosolic and particulate phosphatidylinositol-specific activities, respectively).\(^2,3\)

**References**