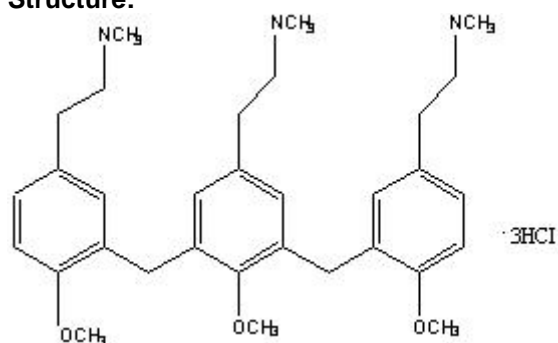


TECHNICAL INFORMATION

Catalog Number: 159026

Compound 48/80

Structure:



Formula: Compound 48/80 is an oligomeric mixture of condensation products of N-methyl-p-methoxyphenethylamine and formaldehyde. The trimer is the most abundant oligomer of the mixture.

Molecular Weight: 630.0

CAS # 94724-12-6

Physical Description: White powder

Description: Activates G proteins by a mechanism analogous to that of mastoparan.^{1,2} Inhibits calmodulin^{3,4} and human platelet PLC and exhibits a concentration dependent biphasic modulation of human platelet PLA₂⁵.

Solubility: Soluble in water (100 mg/ml). Store solutions aliquoted at -20°C for up to 3 months.

References:

- T. Higashijima, et al., *J. Biol. Chem.*, **265**, 14176 (1990)
- M. Mousli, et al., *FEBS Lett.*, **259**, 260 (1990)
- K. Gietzen, et al., *Biochim., Biophys., Acta.*, **736**, 109 (1983)
- K. Gietzen, et al., *Biochem.J.*, **216**, 611 (1983)
- C. Bronner, et al., *Biochim., Biophys., Acta.*, **920**, 301 (1987)