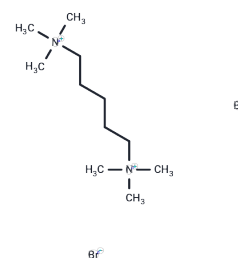


## Pentamethonium bromide

### Chemical Properties

CAS No. : 541-20-8  
 Formula: C<sub>11</sub>H<sub>28</sub>Br<sub>2</sub>N<sub>2</sub>  
 Molecular Weight: 348.16  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Pentamethonium bromide is a vasodilator agent.
Targets(IC50)	Others,Endogenous Metabolite

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8722 mL	14.3612 mL	28.7224 mL
5 mM	0.5744 mL	2.8722 mL	5.7445 mL
10 mM	0.2872 mL	1.4361 mL	2.8722 mL
50 mM	0.0574 mL	0.2872 mL	0.5744 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

NEEDLEMAN HL, HORWITZ O. A comparative study of the effects of three vasodilator drugs, pentamethonium bromide (C-5), dilatol (SKF-1700-A) and pendiomide (Ba-9295) on the digital cutaneous blood flow. Am J Med Sci. 1953 Aug;226(2):164-71. PubMed PMID: 13065294.

MILES BE, DE WARDENER HE, CHURCHILL-DAVIDSON HC, WYLIE WD. The effect of the renal circulation of pentamethonium bromide during anaesthesia. Clin Sci. 1952 Feb;11(1):73-9. PubMed PMID: 14896519.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481