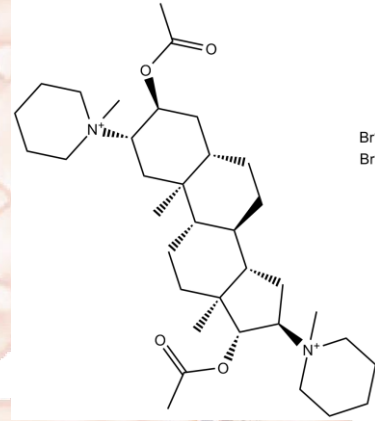


Product Data Sheet

Pancuronium dibromide

Cat. No.: B1612
CAS No.: 15500-66-0
Formula: C₃₅H₆₀N₂O₄·2Br
M.Wt: 732.67
Synonyms:
Target: Neuroscience
Pathway: AChR
Storage: Store at -20°C



Solvent & Solubility

≥36.63 mg/mL in DMSO; ≥49.4 mg/mL in H₂O; ≥58.1 mg/mL in EtOH

In Vitro

Preparing Stock Solutions	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
		1 mM	1.3649 mL	6.8244 mL	13.6487 mL
		5 mM	0.2730 mL	1.3649 mL	2.7297 mL
		10 mM	0.1365 mL	0.6824 mL	1.3649 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

AChR antagonist

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Animal models: Rats

Dosage form: 2 mg/kg, i.v.

Applications: Two effects of pancuronium bromide on heart rate in vivo: A short-lasting

injection effect, which may be due to an indirect sympathomimetic action, and a longer-lasting potentiation of cardiac sympathetic responses which is at least partly due to blockade of neuronal noradrenaline uptake.

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

[1] Docherty JR, McGrath JC. Potentiation of cardiac sympathetic nerve responses in vivo by pancuronium bromide. Br J Pharmacol. 1977 Nov;61(3):472P-473P.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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