



## Product Information

**Product ID** P0252

**CAS No.** 15500-66-0

**Chemical Name** 1,1'-(3,17-Bis(acetyloxy)androstane-2,16-diyl)bis(1-methylpiperidinium) dibromide

**Synonym** 5alpha-Androstan-3alpha, 17beta-diol, 2beta,16beta-dipepecolinio-, dibromide, diacetate

**Formula** C<sub>35</sub>H<sub>60</sub>Br<sub>2</sub>N<sub>2</sub>O<sub>4</sub>

**Formula Wt.** 732.67

**Melting Point** 214-217C

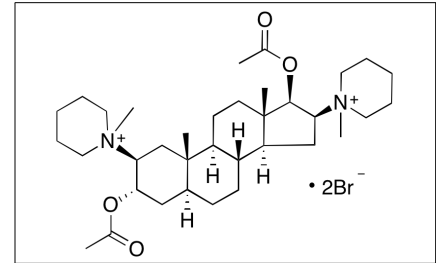
**Purity** ≥98%

**Solubility** 0.1 g/ml H<sub>2</sub>O clear, colorless

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Pancuronium is a reversible, competitive inhibitor of post-synaptic nicotinic acetylcholine receptors (nAChRs) that acts as a non-depolarizing neuromuscular junction (NMJ) blocker. When used clinically, pancuronium induces skeletal muscle relaxation and acts as an anesthetic.



**Bulk quantities available upon request**

Product ID	Size
P0252	10 mg
P0252	50 mg
P0252	100 mg
P0252	250 mg

### References

Johnson PN, Miller J, Gormley AK. Continuous-infusion neuromuscular blocking agents in critically ill neonates and children. *Pharmacotherapy*. 2011 Jun;31(6):609-20. PMID: 21923445.

Jonsson M, Gurley D, Dabrowski M, et al. Distinct pharmacologic properties of neuromuscular blocking agents on human neuronal nicotinic acetylcholine receptors: a possible explanation for the train-of-four fade. *Anesthesiology*. 2006 Sep;105(3):521-33. PMID: 16931985.

Motamed C, Kirov K, Lieutaud T, et al. The mechanism of pancuronium potentiation of mivacurium block: use of the isolated-arm technique. *Anesth Analg*. 2000 Sep;91(3):732-5. PMID: 10960409.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.