



## Product Information

Product ID R5611

CAS No. 119302-91-9

Chemical Name

Synonym

Formula  $C_{32}H_{53}BrN_2O_4$

Formula Wt. 609.68

Melting Point 162-164°C

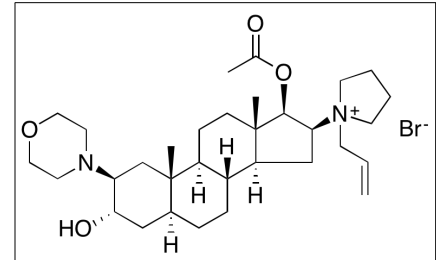
Purity  $\geq 98\%$

Solubility Soluble in water, ethanol,  
DMSO, chloroform,  
methanol.

Store Temp Ambient

Ship Temp Ambient

**Description** Rocuronium is an aminosteroid that exhibits anesthetic activity, inducing relaxation of skeletal muscle. Rocuronium is a non-depolarizing neuromuscular junction (NMJ) blocker that inhibits post-synaptic nicotinic acetylcholine receptors (nAChRs); it also inhibits M2/3 muscarinic acetylcholine receptors (mAChRs). Rocuronium has a rapid onset and can be administered with a specific antagonist that terminates its action.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
R5611	10 mg	\$52.50
R5611	25 mg	\$90.00
R5611	100 mg	\$226.20
R5611	250 mg	\$435.30

**References** Pape A, Kertscho H, Stein P, et al. Neuromuscular blockade with rocuronium bromide increases the tolerance of acute normovolemic anemia in anesthetized pigs. *Eur Surg Res.* 2012;48(1):16-25. PMID: 22189343.

Bowman WC. Neuromuscular block. *Br J Pharmacol.* 2006 Jan;147 Suppl 1:S277-86. PMID: 16402115.

Hou VY, Hirshman CA, Emala CW. Neuromuscular relaxants as antagonists for M2 and M3 muscarinic receptors. *Anesthesiology.* 1998 Mar;88(3):744-50. PMID: 9523819.

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