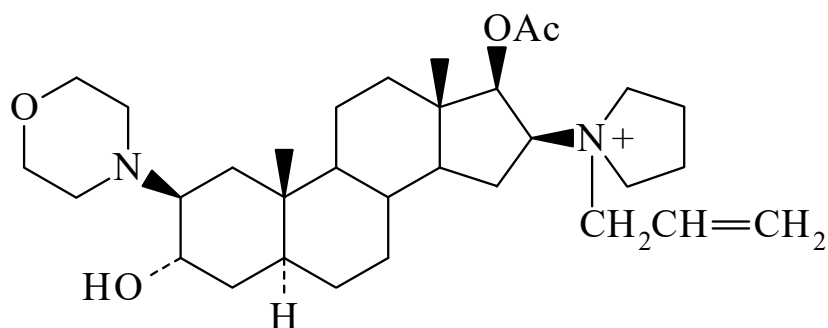




>>Entry Name: Rocuronium(1+)

Synonym(s): 1-[17-(Acetyloxy)-3-hydroxy-2-(4-morpholinyl)androstan-16-yl]-1-(2-propenyl)pyrrolidinium(1+), 9Cl



Related CAS Registry Numbers(s): 143558-00-3

Molecular Formula: $C_{32}H_{53}N_2O_4^{(+)}$

Molecular Weight: 529.782

Accurate Mass: 529.400533

Percentage Composition: C 72.55%; H 10.08%; N 5.29%; O 12.08%

>>Derivative: Bromide

Synonym(s): Rocuronium bromide, BAN, INN, USAN. Esmeron. Zemuron. Org 9426

CAS Registry Number: 119302-91-9

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

Molecular Weight: 609.686

Accurate Mass: 608.338869

Percentage Composition: C 63.04%; H 8.76%; Br 13.11%; N 4.59%; O 10.50%

Use/Importance: Neuromuscular blocking agent. Skeletal muscle relaxant

Development Status: Launched 1994 (UK, US)

Melting Point: Mp 161-169°

Optical Rotation: $[\alpha]_D^{20} +18.7$ (c, 1.03 in $CHCl_3$)

References:

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Bevan, D.R., *Pharmacol. Toxicol. (Copenhagen)*, 1994, **74**, 3, (*rev*)