

Product datasheet

Vecuronium bromide, Competitive nicotinic acetylcholine receptor antagonist ab120536

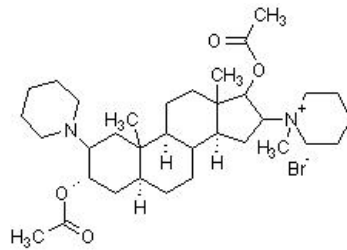
4 References 1 Image

Overview

Product name	Vecuronium bromide, Competitive nicotinic acetylcholine receptor antagonist
Description	Competitive nicotinic acetylcholine receptor (nAChR) antagonist
Biological description	Competitive nicotinic acetylcholine receptor (nAChR) antagonist (IC ₅₀ = 9.9 nM). Muscle relaxant. Inhibits neural response to hypoxia.

CAS Number 50700-72-6

Chemical structure

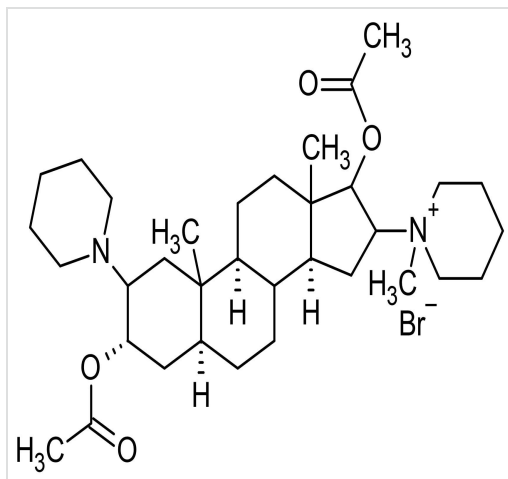


Properties

Chemical name	1-[(2β,3α,5α,16β,17β)-3,17-Bis(acetyloxy)-2-(1-piperidinyl)androstan-16-yl]-1-methylpiperidinium bromide
Molecular weight	637.74
Molecular formula	C ₃₄ H ₅₇ BrN ₂ O ₄
Storage instructions	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM, in ethanol to 100 mM and in water to 25 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES	<chem>[Br-].C[N+]1(CCCCC1)C2C[C@H]3C4CC[C@H]5C[C@H](OC(C)=O)C(CC5(C)[C@H]4CCC3(C)C2OC(C)=O)N6CCCCC6</chem>
Source	Synthetic

Images



2D chemical structure image of ab120536, Vecuronium bromide, Competitive nicotinic acetylcholine receptor antagonist

Chemical Structure - Vecuronium bromide,
Competitive nicotinic acetylcholine receptor
antagonist (ab120536)

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