

Product datasheet

Pancuronium dibromide, Competitive nicotinic acetylcholine receptor antagonist ab120535

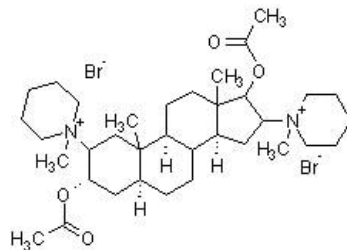
1 Image

Overview

Product name	Pancuronium dibromide, Competitive nicotinic acetylcholine receptor antagonist
Description	Competitive nicotinic acetylcholine receptor (nAChR) antagonist
Biological description	Competitive nicotinic acetylcholine receptor (nAChR) antagonist. Displaces acetylcholine (ab120469) from nAChRs (IC ₅₀ = 5.5 nM). Neuromuscular blocker and muscle relaxant.

CAS Number 15500-66-0

Chemical structure



Properties

Chemical name	1,1'-[(2β,3α,5α,16β,17β)-3,17-Bis(acetyloxy)androstane-2,16-diy]bis(1-methylpiperidinium) dibromide
Molecular weight	732.68
Molecular formula	C ₃₅ H ₆₀ Br ₂ N ₂ O ₄
PubChem identifier	23581810
Storage instructions	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 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. Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

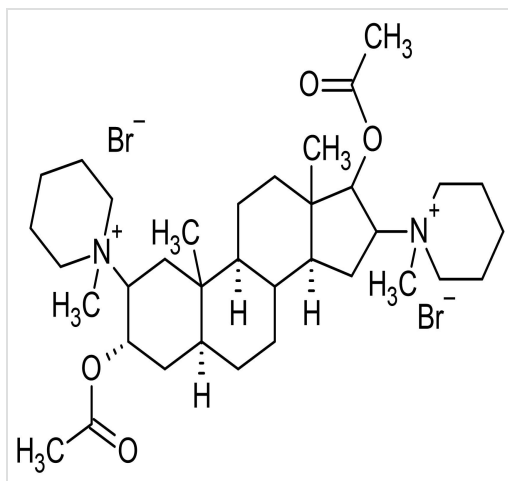
SMILES

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[Br-].[Br-].C[N+](CCCC1)C6CC5(C)[C@@H](CCC2[C@@H]5CCC3(C)C(OC(C)=O)C(C[C@@H]23)[N+](4(C)CCCC4)C[C@@H]6OC(C)=O
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Source

Synthetic

Images



2D chemical structure image of ab120535, Pancuronium dibromide, Competitive nicotinic acetylcholine receptor antagonist

Chemical Structure - Pancuronium dibromide,
Competitive nicotinic acetylcholine receptor
antagonist (ab120535)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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