

Product data sheet



MedKoo Cat#: 581187 Name: Dacuronium bromide CAS#: 27115-86-2 Chemical Formula: C ₃₃ H ₅₈ Br ₂ N ₂ O ₃ Exact Mass: 688.2814 Molecular Weight: 690.65		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years.	
	In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

Dacuronium bromide is an aminosteroid neuromuscular blocking agent Pancuronium (P178500) with much weaker activity which was never marketed. It acts as a competitive antagonist of the nicotinic acetylcholine receptor (nAChR).

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.45 mL	7.24 mL	14.48 mL
5 mM	0.29 mL	1.45 mL	2.90 mL
10 mM	0.14 mL	0.72 mL	1.45 mL
50 mM	0.03 mL	0.14 mL	0.29 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

Dacuronium bromide acts as a competitive antagonist of the nicotinic acetylcholine receptor (nAChR).

In vitro activity

TBD

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.