

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1000	
Compound name	Calcium Ionophore A23187	
Chemical name	5-(Methylamino)-2-[[[2R,3R,6S,8S,9R,11R)-3,9,11-trimethyl-8-[(1S)-1-methyl-2-oxo-2-(1H-pyrrol-2-yl)-ethyl]-1,7-dioxaspiro[5.5]undec-2-yl]methyl]-4-benzoxazolecarboxylic acid	
Batch number	E0603-1-1	
Batch molecular formula	C <sub>29</sub> H <sub>37</sub> N <sub>5</sub> O <sub>6</sub>	
Batch molecular weight	523.63	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.9%
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 50% MeOH/acetone shows one spot under uv	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (50 mM) and in ethanol (10 mM with warming)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

24/07/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.