

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1001	
Compound name	Ionomycin Ca salt	
Chemical name	(4R,6S,8S,10Z,12R,14R,16E,18R,19R,20S,21S)-11,19,21-Trihydroxy-4,6,8,12,14,18,20-heptamethyl-22-[(2S,2'R,5S,5'S)-octahydro-5'-[(1R)-1-hydroxyethyl]-2,5'-dimethyl[2,2'-bifuran]-5-yl]-9-oxo-10,16-docosadienoic acid calcium salt	
Batch number	E1864-1-1	
Batch molecular formula	C ₄₁ H ₇₀ O ₉ Ca	
Batch molecular weight	747.07	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.13%
TLC	TLC analysis in 20% MeOH/EtOAc shows one spot under KMnO ₄	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (10 mg/ml) and in MeOH (5 mg/ml)	Meets specification

Produced by
Richard Patterson

Signature

Passed by
Steve Roome

Signature

Date

01-02-22

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