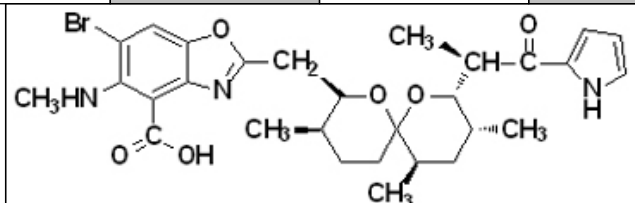


## Certificate of Analysis

(C of A)

Name:		4-Bromo-A-23187, free acid [4-Bromo-calcium Ionophore A23187] 4-Benzoxazolecarboxylic acid, 6-bromo-5-(methylamino)-2-((3,9,11-trimethyl-8-(1-methyl-2-oxo-2-(1H-pyrrol-2-yl)-ethyl)-1,7-dioxaspiro(5,5)			
Catalog Number:		6704		Lot:	50379
CAS Number:		76455-48-6		Formula:	C <sub>29</sub> H <sub>36</sub> BrN <sub>3</sub> O <sub>6</sub>
Molecular Weight:		602.52 (g/mol)			
		Observed		Standard	
Absorption (Methanol)					
Wavelength (λ <sub>max</sub> ):		288 nm		290 ± 3 nm	
Extinction:		18,300 cm <sup>-1</sup> M <sup>-1</sup>		18,500 ± 1,500 cm <sup>-1</sup> M <sup>-1</sup>	
TLC Purity:		> 98%		≥ 90%	
TLC System:		95:4.5:0.5 Chloroform/ Methanol/ Acetic Acid			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		14824	Release:	23-Mar-2015	Expiration: 23-Mar-2020
Structure:					

This data reflects the accuracy of the analysis of the subject lot  
 For research use only. Not for human use. No animal source.  
 This material is chemically synthesized and manufactured in the USA

**Approved by:** Dianna M Wineinger  
 Analytical Services Manager

**Date:** 23-Mar-2015

**Signature:** Dianna M Wineinger