

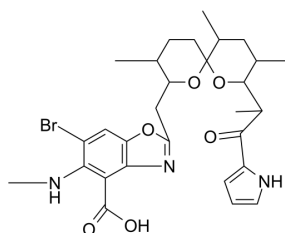
## Certificate of Analysis

**Product Name:** 4-Bromo A23187  
**Cat. No.:** HY-N6694  
**CAS No.:** 76455-48-6  
**Batch No.:** 46233  
**Chemical Name:** 4-Benzoxazolecarboxylic acid, 6-bromo-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]-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>29</sub>H<sub>36</sub>BrN<sub>3</sub>O<sub>6</sub>  
**Molecular Weight:** 602.52  
**Storage:**  
Powder            -20°C    3 years  
                          4°C        2 years  
In solvent        -80°C    6 months  
                          -20°C    1 month

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Light yellow to yellow (Solid)  
**Purity:** >99.0%  
**MP:** 223-227°C  
**C:** 56.26(57.81)  
**H:** 5.97(6.11)  
**N:** 6.13(6.97)  
**Br:** 15.69(13.26)  
**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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