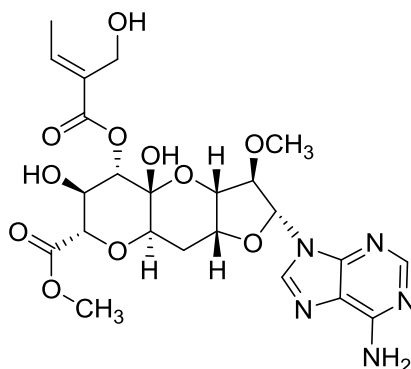


## Herbicidin A

Code No.: **BIA-H1567**

Pack sizes: **1 mg, 5 mg**



Synonyms :

## Specifications

CAS #	: 55353-31-6
Molecular Formula	: C <sub>23</sub> H <sub>29</sub> N <sub>5</sub> O <sub>11</sub>
Molecular Weight	: 551.5
Source	: <i>Streptomyces</i> sp.
Appearance	: White to light fawn solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

## Application Notes

Herbicidin A is the major analogue of a family of adenosine nucleosides containing a complex tricyclic saccharide originally isolated from *Streptomyces saganonensis*, reported by researchers at Sankyo in 1976. Herbicidin A is a potent herbicide with selective activity against dicotyledonous plants. The mode of action and broader pharmacology of herbicidin A has received little attention due to its restricted availability.

## References

1. Herbicidin A and B, two new antibiotics with herbicidal activity. I. Producing organism and biological activities. Arai M. et al., J. Antibiot. 1976, 29, 863.
2. Herbicidin A and B, two new antibiotics with herbicidal activity. II. Fermentation, isolation and physico-chemical characterisation. Haneishi T. et al., J. Antibiot. 1976, 29, 870.