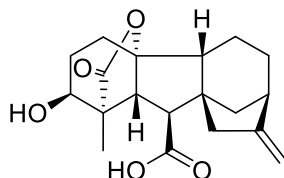


Gibberellin A4

Code No.: **BIA-G2450**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : GA4, Gibberellin GA4

Specifications

CAS #	: 468-44-0
Molecular Formula	: C ₁₉ H ₂₄ O ₅
Molecular Weight	: 332.39
Source	: <i>Gibberella</i> sp.
Appearance	: Clear residue
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Gibberellin A4 is a C19-gibberellin produced by higher plants and the rice pathogenic fungus *Gibberella fujikori*. Gibberellin A4 is the dehydroxy analogy of gibberellin A3. The gibberellins have long been known as plant growth regulators. Gibberellins can stimulate rapid stem and root growth, induce mitotic division in the leaves of some plants, and increase seed germination rates.

References

1. Reversal of the light inhibition of pea stem growth by the gibberellins. Lockhart J.A. Proc Nat Acad Sci. 1956, 42, 841.
2. Dormancy in seed of Charlock (*Sinapsis arvensis* L.). Early effects of gibberellic acid on the synthesis of amino acids and proteins. Plant Physiol. 1976, 58, 626.
3. Mechanisms of cross talk between gibberellin and other hormones. Weiss D. and Ori N. Plant Physiol. 2007, 144, 1240.