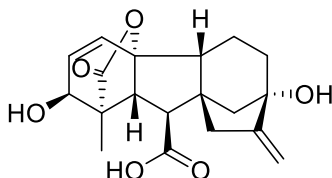


## Gibberellic acid

Code No.: **BIA-G2395**

Pack sizes: **5 mg, 25 mg**



Synonyms : Gibberellin A3, (+)-Gibberellic acid, (+)-Gibberellin A3

## Specifications

CAS #	: <b>77-06-5</b>
Molecular Formula	: <b>C<sub>19</sub>H<sub>22</sub>O<sub>6</sub></b>
Molecular Weight	: <b>346.37</b>
Source	: <b><i>Gibberella</i> sp.</b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

## Application Notes

Gibberellic acid (gibberellin A3) is a C19-gibberellin produced by higher plants and the rice pathogenic fungus *Gibberella fujikori*. 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. Gibberellic acid interacts with other plant hormones, including abscisic acid, auxin, ethylene, and cytokinin, throughout the plant life cycle.

## 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.