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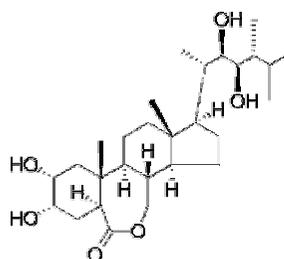
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2,4-Epibrassinolide

2,4-表油菜素内酯

22R,23R,24R-2 α ,3 α ,22,23-Tetrahydroxy-B-homo-7-oxa-5 α -ergostan-6-one

C₂₈H₄₈O₆ MW: 480.68 CAS: 78821-43-9



- Storage: -20 °C
- Specifications:
 - Assay.....~90%(HPLC)
 - Soluble.....1mg/ml (2mM) in Ethanol or DMSO; 5mg/L(5ppm) in H₂O
 - Appearance.....white to off-white powder

- Introduction:

Some years ago, organic extracts of *Brassica napus* pollen were found to promote stem elongation and cell division in plants. The active components were identified as steroids and have therefore been named brassinosteroids. It is now recognized more and more that brassinosteroids are genuine plant hormones. In the nM to μ M range, 2,4-epibrassinolide has been found to promote cell division of protoplasts and to cause hypocotyls elongation, but also to inhibit root extension. Evidence is mounting that it plays a role in vascular differentiation. Much research has been done on the ameliorative effect of brassinosteroids during stress.

- Reference:

Clouse S D and Sasse J M. Brassinosteroids: essential regulators fo plant growth and development. *Annu. Rev. Plant Physiol. Plant Mol. Biol.* 49:427-451 1998