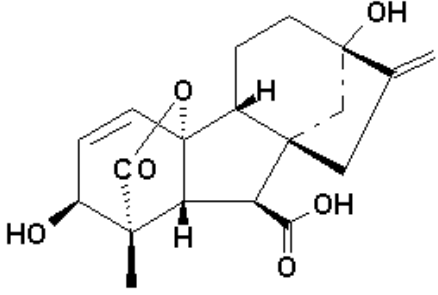
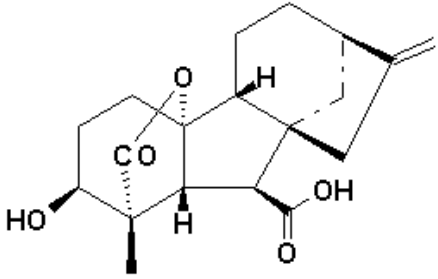
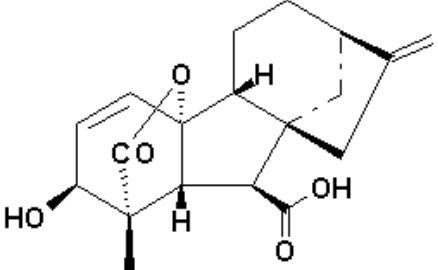


Gibberellins and a Selection of their Occurrence in Plants and Tissue

Species	Tissue	Physical Differences between Gibberellins GA3, GA4 and GA7
Arabidopsis thaliana Althaea rosea Brassica napus Citrus sinensis Cucumis sativus Ipomoea batatas Lactuca sativa Lycopersicon esculentum Triticum aestivum Zea mays	seeds shoot apices stems fruitlets mature seeds immature seeds shoots cultured roots leaves, roots shoots	 <p>Gibberellic Acid A3 Molecular Weight = 346.38 g/mol. Molecular formula = C₁₉H₂₂O₆</p>
Arabidopsis thaliana Brassica napus Citrus sinensis Cucumis melo Helianthus annuus Raphanus sativus Trifolium repens Triticum aestivum Zea mays	shoots immature siliques immature fruit mature seeds seeds leaves, stem arial parts leaves and stems shoots	 <p>Gibberellin A4 Molecular Weight = 332.4 g/mol. Molecular formula = C₁₉H₂₄O₅</p>
Daucus carota Malus domestica Marah macrocarpus Pimpinella anisum Pisum sativum Spinacia oleracea Triticum aestivum Zea mays	somatic cell embryo cultures immature seeds endosperm somatic cell embryo cultures fertilized ovules shoots leaves + stems shoots	 <p>Gibberellin A7 Molecular Weight = 330.38 g/mol. Molecular formula = C₁₉H₂₂O₅</p>

References

MacMillan, J. (2001). Occurrence of gibberellins in vascular plants, fungi, and bacteria. *Journal of plant growth regulation*, 20(4), 387-442.