

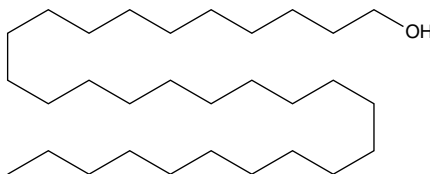
Product Information



n-Triacontanol

Item No. 88840

CAS Registry No.: 593-50-0
Formal Name: 1-triacontanol
Synonyms: Miraculan, Well-Bloom
MF: C₃₀H₆₂O
FW: 438.8
Purity: ≥98%
Stability: ≥1 year at room temperature
Supplied as: A crystalline solid



Laboratory Procedures

For long term storage, we suggest that *n*-triacontanol be stored as supplied at room temperature. It should be stable for at least one year.

n-Triacontanol is supplied as a crystalline solid. *n*-Triacontanol is sparingly soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of *n*-triacontanol in chloroform is approximately 1.7 mg/ml. Organic solvents may have physiological effects at low concentrations. *n*-Triacontanol is not soluble in aqueous buffers.

n-Triacontanol is a plant growth regulator found in the plant cuticle waxes and in beeswax as the palmitate ester.¹ *n*-Triacontanol has been reported to have growth enhancing properties when applied to the leaves of growing plants.²

References

1. Iyer, R.R. and Mamdapur, V.R. Plant growth regulators: Syntheses of *n*-triacontynol, *n*-triacontenol & *n*-triacontanol. *Indian J. Chem.* **25B**, 1216-1219 (1986).
2. Ries, S., Wert, V., Sweeley, C.C., *et al.* Triacontanol: a new naturally occurring plant growth regulator. *Science* **195**, 1339-1341 (1977).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/88840

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WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY. NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

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