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Zuschläge

- Mindermengenzuschlag
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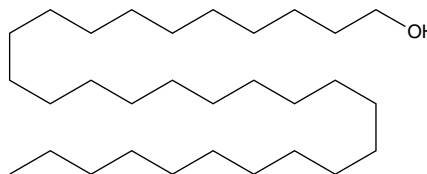
Product Information



n-Triacontanol

Item No. 88840

CAS Registry No.:	593-50-0
Formal Name:	1-triacontanol
Synonyms:	Miraculan, Well-Bloom
MF:	C ₃₀ H ₆₂ O
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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