



Melting Point: Mp 254-256°

Optical Rotation: $[\alpha]_D^{23} +15.2$ (c, 0.85 in CHCl_3)

>>**Derivative:** Ac

Synonym(s): Calotropoleanyl ester

CAS Registry Number: 51361-60-5

Molecular Formula: $\text{C}_{32}\text{H}_{52}\text{O}_2$

Molecular Weight: 468.762

Accurate Mass: 468.39673

Percentage Composition: C 81.99%; H 11.18%; O 6.83%

Biological Source: Isol. from roots of *Vernonia cinerea*, *Calotropis procera* and *Scaevola* spp.

Physical Description: Cryst. (MeOH/ CHCl_3)

Melting Point: Mp 208°

Optical Rotation: $[\alpha]_D -21$ (c, 1 in CHCl_3)

References:

- Musgrave, O.C. *et al.*, *J.C.S.*, 1952, 4393, (*isol*)
Brownlie, G. *et al.*, *J.C.S.*, 1956, 1377, (*synth*)
Fischer, F.G. *et al.*, *Annalen*, 1961, **644**, 162, (*isol*)
van Tamelen, E.E. *et al.*, *J.A.C.S.*, 1972, **94**, 8229, (*synth*)
Wollenweber, E., *Z. Naturforsch., C*, 1974, **29**, 362, (*isol*)
Bohlmann, F. *et al.*, *Chem. Ber.*, 1975, **108**, 433, (δ -Amyrin acetate)
Sarkar, A. *et al.*, *Indian J. Chem., Sect. B*, 1978, **16**, 742, (*Gymnorhizol*)
Singh, R.S. *et al.*, *J. Nat. Prod.*, 1984, **47**, 368, (δ -Amyrin acetate)
Bhutani, K.K. *et al.*, *Phytochemistry*, 1984, **23**, 407, (*isol*)
Tanaka, R. *et al.*, *Phytochemistry*, 1988, **27**, 3579, (δ -Amyrin formate, *cmr*, *pmr*)
He, A. *et al.*, *Phytochemistry*, 1998, **49**, 2607-2610, (*pmr*, *cmr*)
Ansari, S.H. *et al.*, *J. Med. Aromat. Plant Sci.*, 1999, **21**, 978-981; *CA*, **133**, 56009s, (*Calotropoleanyl ester*)