



CAS Registry Number: 5015-36-1

Biological Use/Importance: Glucocorticoid

>>**Derivative:** 21-Ac, 17-propanoyl

Synonym(s): Methylprednisolone aceponate, INN. ZK 91588

CAS Registry Number: 86401-95-8

Molecular Formula: C₂₇H₃₆O₇

Molecular Weight: 472.577

Accurate Mass: 472.246105

Percentage Composition: C 68.62%; H 7.68%; O 23.70%

Biological Use/Importance: Glucocorticoid. Antiinflammatory and antiallergic agent

Melting Point: Mp 129-131° (138°)

Calculated Log P Data: Log P 3.25 (uncertain value) (calc)

>>**Derivative:** 21-[[N-Methyl-N-(2-sulfoethyl)amino]carbonyl]heptanoyl

>>**Derivative:** 11-Epimer

CAS Registry Number: 105500-05-8

Physical Description: Yellow cryst. (Et₂O)

>>**Derivative:** 11-Epimer, 11-Ac

CAS Registry Number: 103257-92-7

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 275 dec.°

References:

Spero, G.B. *et al.*, *J.A.C.S.*, 1956, **78**, 6213, (*synth*)

Fried, J. *et al.*, *J.A.C.S.*, 1959, **81**, 1235, (*synth*)

Weeks, C.M. *et al.*, *J.A.C.S.*, 1973, **95**, 2865, (*cryst struct*)

Novak, E. *et al.*, *Toxicol. Appl. Pharmacol.*, 1977, **41**, 561, (*pharmacol, derivs*)

Sugai, S. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 1889, (*aceponate*)

Ebling, W.F. *et al.*, *Drug Metab. Dispos.*, 1985, **13**, 296, (*pharmacol*)

Eur. Pat., 1985, 156 643; *CA*, **105**, 115284z, (*11-epimer*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 6695; 7168; 7448, (*synonyms*)

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