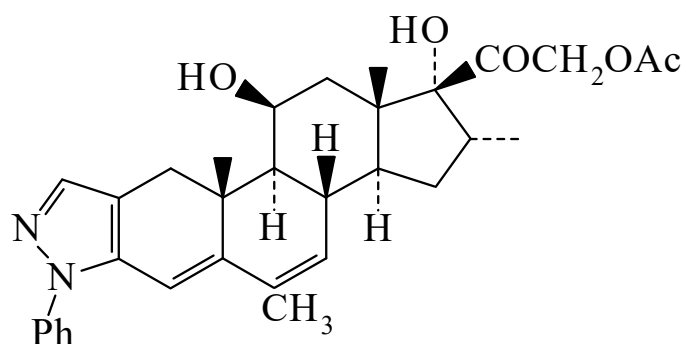




>>Entry Name: Cortivazol, INN, USAN

Synonym(s): 11,17,21-Trihydroxy-6,16-dimethyl-2'-phenyl-2'H-pregna-2,4,6-trieno[3,2-c]pyrazol-20-one 21-acetate, 8Cl. Altim. Diaster. Dilaster. Idaltim. H 3625. MK 650. NSC 80998. Ref 185



CAS Registry Number: 1110-40-3

Molecular Formula: C<sub>32</sub>H<sub>38</sub>N<sub>2</sub>O<sub>5</sub>

Molecular Weight: 530.663

Accurate Mass: 530.278073

Percentage Composition: C 72.43%; H 7.22%; N 5.28%; O 15.07%

General Statement: Dimorphic

Use/Importance: Glucocorticoid, antiinflammatory agent

Melting Point: Mp 160-166°. Mp 229-230°

Optical Rotation:  $[\alpha]_D^{23} +14$  (CHCl<sub>3</sub>)

Calculated Log P Data: Log P 4.36 (uncertain value) (calc)

Other Data: Stereochem is (11 $\beta$ ,16 $\alpha$ ,17 $\alpha$ OH)

#### References:

Fried, J.H. *et al.*, *J.A.C.S.*, 1963, **85**, 236, (*synth*)

Steelman, S.L. *et al.*, *Steroids*, 1971, **18**, 129, (*pharmacol*)

Gianni, A.M. *et al.*, *Boll. Chim. Farm.*, 1975, **114**, 279, (*pharmacol*)

*Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 727*