

Acta Crystallographica Section E

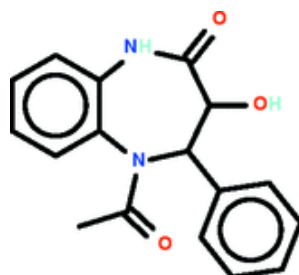
# Structure Reports Online

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## 5-Acetyl-3-hydroxy-4-phenyl-4,5-dihydro-1H-1,5-benzodiazepin-2(3H)-one

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**Abstract:** In the title compound,  $C_{17}H_{16}N_2O_3$ , the seven-membered diazepine ring adopts a boat conformation with the hydroxy-substituted C atom at the prow and fused benzene ring C atoms at the stern. The phenyl substituent occupies an equatorial position. The amino group of the ring system is a hydrogen-bond donor to the oxo O atom of an inversion-related molecule, and the hydroxy group is a hydrogen-bond donor to the acetyl O atom of another inversion-related molecule. The two hydrogen bonds generate a ribbon motif parallel to  $[10\bar{1}]$  in the crystal structure.