

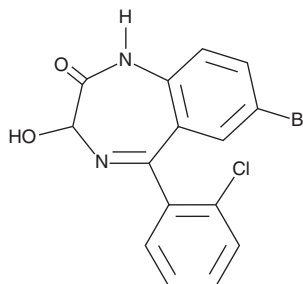
PRODUCT INFORMATION



3-hydroxy Phenazepam

Item No. 11472

CAS Registry No.: 70030-11-4
Formal Name: 7-bromo-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-2H-1,4-benzodiazepin-2-one
Synonyms: 3-hydroxy BD 98, 3-hydroxy Fenazepam
MF: C₁₅H₁₀BrClN₂O₂
FW: 365.6
Purity: ≥98%
Supplied as: A neat solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Phenazepam (Item No. 9000849) is an anxiolytic and hypnotic sedative.¹ 3-hydroxy Phenazepam is a major metabolite of phenazepam.^{2,3} There are significant differences in the rate of phenazepam metabolism in different species, so that 3-hydroxy phenazepam can be detected shortly after oral administration of the parent compound in cats, rats, and dogs but not in humans.³ The physiological and toxicological properties of this compound are not known. This product is intended for forensic and research applications.

This product is qualified as a Reference Material that has been manufactured and tested to ISO/IEC 17025 and ISO 17034 international standards.

References

1. Molodavkin, G.M., Voronina, T.A., Chernyavskaya, L.I., *et al.* Pharmacological activity of phenazepam and flunitrazepam in ultralow doses. *Bull. Exp. Biol. Med.* **135**, 39-41 (2003).
2. Maskell, P.D., De Paoli, G., Seetohul, L.N., *et al.* Phenazepam: The drug that came in from the cold. *J. Forensic Leg. Med.* **19(3)**, 122-125 (2012).
3. Zherdev, V.P., Caccia, S., Garatini, S., *et al.* Species differences in phenazepam kinetics and metabolism. *Eur. J. Drug Metab. Pharmacokinet.* **7(3)**, 191-196 (1982).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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