PRODUCT INFORMATION



Hydrocodone (bitartrate)

Item No. 22166

CAS Registry No.:	143-71-5	
Formal Name:	4,5α-epoxy-3-methoxy-17-methyl-	
	morphinan-6-one, (2R,3R)-2,3-	
	dihydroxybutanedioate	
Synonyms:	Dihydrocodeinone,	Н о ОН
	(-)-Hydrocodone	
MF:	$C_{18}H_{21}NO_3 \bullet C_4H_6O_6$	
FW:	449.5	
Purity:	≥98%	
Supplied as:	A crystalline solid	— 0 0 H °
Storage:	-20°C	
Stability:	≥5 years	
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.		

Description

Hydrocodone (bitartrate) (Item No. 22166) is an analytical reference standard categorized as an opioid.^{1,2} It is a metabolite of codeine (Item Nos. ISO60140 | 15459 | 26514).³ Like other opioid analgesics, hydrocodone is commonly abused.⁴ Hydrocodone is regulated as a Schedule II compound in the United States. This product is intended for research and forensic applications.

References

- 1. Trescot, A.M., Datta, S., Lee, M., et al. Opioid pharmacology. Pain Physician 11(2 Suppl.), S133-S153 (2008).
- 2. Codd, E.E., Shank, R.P., Schupsky, J.J., et al. Serotonin and norepinephrine uptake inhibiting activity of centrally acting analgesics: Structural determinants and role in antinociception. J. Pharmacol. Exp. Ther. 274(3), 1263-1270 (1995).
- 3. Oyler, J.M., Cone, E.J., Joseph, R.E., Jr., et al. Identification of hydrocodone in human urine following controlled codeine administration. J. Anal. Toxicol. 24(7), 530-535 (2000).
- 4. Atluri, S.A., Sudarshan, G., and Manchikanti, L. Assessment of the trends in medical use and misuse of opioid analgesics from 2004 to 2011. Pain Physician 17(2), E119-E128 (2014).

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

SAFFTY 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.

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.

Copyright Cayman Chemical Company, 06/30/2023

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD ANN ARBOR, MI 48108 · USA PHONE: [800] 364-9897 [734] 971-3335 FAX: [734] 971-3640 CUSTSERV@CAYMANCHEM.COM WWW.CAYMANCHEM.COM