PRODUCT INFORMATION



Zopiclone-d₄

Item No. 18931

CAS Registry No.: Formal Name:	1435933-78-0 4-methyl-1-piperazinecarboxylic acid, 6-(5-chloro-2-pyridinyl)-6,7-dihydro-7-oxo- 5H-pyrrolo[3,4-b]pyrazin-5-yl ester-d ₄	
Synonym:	(±)-Zopiclone-d ₄	
MF:	$C_{17}H_{13}D_4CIN_6O_3$	
FW:	392.8	
Purity:	≥98%	N/
Supplied as:	A neat solid	
Storage:	-20°C	
Stability:	≥1 year	
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.		

Description

Zopiclone-d₄ (Item No. 18931) is intended for use as an internal standard for the quantification of zopiclone (Item No. 14235) by GC- or LC-MS. Zopiclone is an analytical reference material categorized as a sedative.¹ Zopiclone- d_4 is regulated as a Schedule IV compound in the United States. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated versus unlabeled). This product is intended for research and forensic applications.

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

Reference

1. Gunja, N. The clinical and forensic toxicology of Z-drugs. J. Med. Toxicol. 9(2), 155-162 (2013).

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.

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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