**PRODUCT INFORMATION**

**Oxazepam-d$_5$**

*Item No. 15844*

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**CAS Registry No.:** 65854-78-6  
**Formal Name:** 7-chloro-1,3-dihydro-3-hydroxy-5-(phenyl-d$_5$)-2H-1,4-benzodiazepin-2-one  
**Synonym:** N-Desmethyltemazepam-d$_5$  
**MF:** C$_{15}$H$_6$ClD$_5$N$_2$O$_2$  
**FW:** 291.8  
**Purity:** ≥98%  
**Supplied as:** A neat solid  
**Storage:** -20°C  
**Stability:** As supplied, 1 year from the QC date provided on the Certificate of Analysis, when stored properly

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**Description**

Oxazepam-d$_5$ is intended for use as an internal standard for the quantification of oxazepam (Item No. ISO60173) by GC- or LC-MS. Oxazepam-d$_5$ is an analytical reference material that is structurally categorized as a benzodiazepine. Oxazepam is an active metabolite of diazepam (Item No. ISO60177), prazepam, and temazepam (Item No. ISO60182) that can positively modulate GABA$_A$ receptors, which results in inhibitory effects in the central nervous system. This product is intended for forensic and research purposes.

This product is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO17025 and Guide 34 guidelines. These materials are tested using validated analytical methods on qualified instrumentation to ensure traceability of measurements. All traceable RMs may be distinguished by their CofAs and can be downloaded using the batch number located on the product label. For a representative CofA please contact our technical support.

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**Reference**