PRODUCT INFORMATION



N-demethyl Promethazine-d₃ (hydrochloride)

Item No. 39871

CAS Registry No.: 1330173-19-7

Formal Name: N-(methyl-d₃)-1-(10H-phenothiazin-10-

yl)propan-2-amine, monohydrochloride

Norpromethazine-d₃, Synonyms:

> (±)-N-demethyl Promethazine-d₃, rac-N-demethyl Promethazine-d₃, Promethazine EP Impurity C-d₂, N-desmethyl Promethazine-d₃

MF: C₁₆H₁₅D₃N₂S • HCl

FW: 309.9

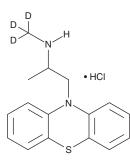
Chemical Purity: ≥98% (N-demethyl promethazine)

Deuterium

Incorporation: \geq 99% deuterated forms (d₁-d₃); \leq 1% d₀

Supplied as: A solid Storage: -20°C ≥4 years Stability:

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



Description

N-demethyl Promethazine-d₃ (hydrochloride) (Item No. 39871) is intended for use as an internal standard for the quantification of N-demethyl promethazine by GC- or LC-MS. 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).

N-demethyl Promethazine is a phenothiazine metabolite. It is a metabolite of promethazine (Item Nos. 21331 | 22450). N-demethyl Promethazine is also a degradation product of promethazine.² This product is intended for research and forensic applications.

References

- 1. Blement, B. and Beckett, A.H. Metabolism of promethazine in vitro. Identification of N-oxidized products. Xenobiotica 11(9), 609-618 (1981).
- 2. Shearer, C.M., and Beckett, S.M. Promethazine hydrochloride. Analyt. Profiles Drug. Subst. 5, 429-465 (1976).

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

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

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