

PRODUCT INFORMATION

O-Desmethyl Lacosamide

Item No. 34403

CAS Registry No.: 175481-38-6

Formal Name: 2R-(acetylamo)-3-hydroxy-N-(phenylmethyl)-propanamide

MF: C₁₂H₁₆N₂O₃

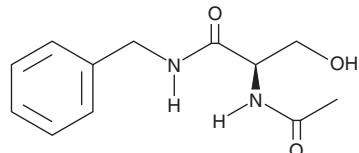
FW: 236.3

Purity: ≥95%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



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

Laboratory Procedures

O-Desmethyl lacosamide is supplied as a solid. A stock solution may be made by dissolving the O-desmethyl lacosamide in the solvent of choice, which should be purged with an inert gas. O-Desmethyl lacosamide is soluble in organic solvents such as ethanol and DMSO.

Description

O-Desmethyl lacosamide is a potential impurity found in commercial preparations of lacosamide.^{1,2}

References

1. Molleti, S., Rao, V., and Jayaveera, K.N. Stability indicating RP-UPLC method for the determination of lacosamide and its impurities in bulk drugs and its pharmaceutical dosage forms. *Der Pharma Chemica* 5(1), 81-89 (2013).
2. Yang, A., Hu, F., Chen, M., et al. Improved synthesis and impurity identification of (R)-lacosamide. *Org. Proc. Res. Dev.* 23(5), 818-824 (2019).

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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