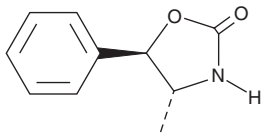
# PRODUCT INFORMATION

## (4R,5R)-4-Methyl-5-phenyl-2-oxazolidinone

*Item No. 46463*

**CAS Registry No.:** 125133-96-2
**MF:** $C_{10}H_{11}NO_2$
**FW:** 177.2
**Purity:** ≥98%
**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

(4R,5R)-4-Methyl-5-phenyl-2-oxazolidinone is supplied as a solid. A stock solution may be made by dissolving the (4R,5R)-4-methyl-5-phenyl-2-oxazolidinone in the solvent of choice, which should be purged with an inert gas. (4R,5R)-4-Methyl-5-phenyl-2-oxazolidinone is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

### Description

(4R,5R)-Methyl-5-phenyl-2-oxazolidinone is a synthetic intermediate that has been used in the synthesis of the amphetamine (1R,2R)-norpseudoephedrine.[1]

### Reference

1. Groeper, J., Hitchcock, S., and Ferrence, G. A scalable and expedient method of preparing diastereomerically and enantiomerically enriched pseudonorephedrine from norephedrine. *Tetrahedron Asymmetry* **17,** 2884-2889 (2006).

**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.

**WARRANTY AND LIMITATION OF REMEDY**
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, 09/18/2026

**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