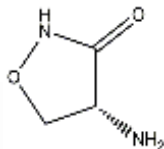


**PRODUCT: D (+)-Cycloserine****ALTERNATE NAME:** (R)-4-Amino-3-isoxazolidone; Orientomycin; Oxamycin**CATALOG #:** B1188-100, 500**AMOUNT:** 100 mg, 500 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>3</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 102.09**CAS NUMBER:** 68-41-7**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (100 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** D-Cycloserine is a partial agonist at the glycine modulatory site of NMDA glutamatergic receptors. Blocks kainate-induced seizures and displays anticonvulsant effects in rat models. D-Cycloserine facilitates synaptic plasticity but impairs glutamatergic neurotransmission in rat hippocampal slices. Second-line drug for the treatment of tuberculosis. Enhances activity-dependent plasticity in human adults.**REFERENCES:** Watson, G.B., *et al.* (1990). *Brain Res.* **510**, 158-160.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Glutamate Colorimetric Assay Kit (**Cat. No. K629-100**)Glutamate Dehydrogenase Activity Colorimetric Assay Kit (**Cat. No. K729-100**)JM6 (**Cat. No. 1913-5, 25**)Ro 61-8048 (**Cat. No. 1912-5, 25**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**