Product Data Sheet

Product Name: D-Cycloserine
CAS No.: 68-41-7
Cat. No.: HY-B0030
MWT: 102.09
Formula: C3H6N2O2
Purity: >98%

Solubility: Water 20 mg/mL; DMSO <1 mg/mL

Mechanisms:
Pathways: Anti-infection; Target: Antibacterial

Biological Activity:
D-Cycloserine is an analog of the amino acid D-alanine.
Target: Antibacterial
D-Cycloserine selectively potentiated the duration of motor cortical excitability enhancements induced by anodal tDCS. D-Cycloserine alone did not modulate excitability [1]. Participants receiving d-cycloserine in addition to exposure therapy reported significantly less social anxiety compared with patients receiving exposure therapy plus placebo. Controlled effect sizes were in the medium to large range [2]. Chronic D-cycloserine significantly reduced nicotine self-administration selectively in rats with low baseline nicotine use, but was ineffective with the rats with higher levels of baseline nicotine self-administration [3].

References:

Caution: Not fully tested. For research purposes only

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