

DATA SHEET

Product Name: CNEE

Catalog #: N-1062

Alt: Cycloheximide-N-ethylethanoate; Ethyl 2-(4-((R)-2-((1S,3S,5S)-3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl)-2,6-dioxopiperidin-1-yl)acetate

Source: Synthetic

Molecular Mass: 367.4 C₁₉H₂₉NO₆

Analysis: >99% (TLC); NMR (Conforms)

Supplied As: White powder

Resuspension: May be dissolved in DMSO (15 mg/ml); or ethanol (3 mg/ml)

Storage: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 1 month.

Description: FKBP12 inhibitor (IC₅₀=4.4 μM) with neuroregenerative properties. Does not inhibit protein synthesis (as does cycloheximide)¹. Mimics a helical peptide in target proteins for binding to the immunophilin Mip homolog, BpML1 (Burkholderia pseudomallei Mip-like protein 1)².

References:
1. Christner, C., et al., (1999) J. Med. Chem., 42: 3615
2. Norville, I.H., et al., (2011) Biochem. J., 437: 413

For research use only. Not for use in humans.