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## Product Datasheet

### L-Cycloserine, CAS [[339-72-0]] FBM-10-2280

Artikelname	L-Cycloserine, CAS [[339-72-0]]
Artikelnummer	FBM-10-2280
Hersteller Artikelnummer	10-2280
Alternativnummer	FBM-10-2280-20MG,FBM-10-2280-100MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Sphingolipid biosynthesis inhibitor...
Molekulargewicht	102.09
Reinheit	98% by TLC, NMR (Conforms)
Formulierung	White solid
CAS Nummer	[339-72-0]
Formel	C3H6N2O2
Anwendungsbeschreibung	L-Cycloserine down-regulates sphingolipid biosynthesis via inhibition of serine palmitoyltransferase (3-ketodihydrosphingosine synthetase). <sup>1</sup> The L isomer was shown to be 100-fold more potent than the D isomer at inhibition of the brain microsomal enzyme. <sup>1</sup> It is a useful pharmacological agent for lowering sphingolipid levels in cells <sup>2</sup> as well as in animal models <sup>3</sup> . Inhibition of de novo ceramide biosynthesis with L-cycloserine positively affected the senescent phenotype, restoring neuronal signaling and reducing mitochondrial dysfunction in a cortical neuronal model of senescence. <sup>4</sup>