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Product Datasheet

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

Article Name	L-Cycloserine, CAS [[339-72-0]]
Biozol Catalog Number	FBM-10-2280
Supplier Catalog Number	10-2280
Alternative Catalog Number	FBM-10-2280-20MG, FBM-10-2280-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Sphingolipid biosynthesis inhibitor...
Molecular Weight	102.09
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[339-72-0]
Formula	C3H6N2O2
Application Notes	L-Cycloserine down-regulates sphingolipid biosynthesis via inhibition of serine palmitoyltransferase (3-ketodihydrosphingosine synthetase). ¹ The L isomer was shown to be 100-fold more potent than the D isomer at inhibition of the brain microsomal enzyme. ¹ It is a useful pharmacological agent for lowering sphingolipid levels in cells ² as well as in animal models ³ . 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. ⁴