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Product Datasheet

Lipoic acid (DL, alpha), CAS [[1077-28-7]] FBM-10-5094

Article Name	Lipoic acid (DL, alpha), CAS [[1077-28-7]]
Biozol Catalog Number	FBM-10-5094
Supplier Catalog Number	10-5094
Alternative Catalog Number	FBM-10-5094-5G, FBM-10-5094-25G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Endogenous antioxidant and cofactor...
Molecular Weight	206.32
Purity	>98% by TLC NMR (Conforms)
Form	Pale-yellow solid
CAS Number	[1077-28-7]
Formula	C8H14O2S2
Application Notes	Endogenous antioxidant. ^{1,2} Treatment with alpha-lipoic acid increased hepatic nuclear Nrf2 levels, induced Nrf2-mediated gene transcription, and reversed age-related decline in hepatic glutathione levels in a rat model. ³ It is an essential cofactor required for catalysis by multiple mitochondrial enzymes including pyruvate dehydrogenase, alpha-ketoglutarate dehydrogenase and branched-chain ketoacid dehydrogenase among others. ⁴ It has shown efficacy as a treatment in diabetic neuropathy. ⁵