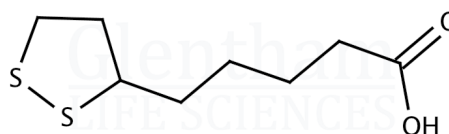


## Product Specification

Product Name	DL-alpha-Lipoic acid, USP grade
Glentham Code	GK1941
CAS Number	1077-28-7
EINECS	214-071-2
MDL Number	MFCD00005474
Molecular Weight	206.33
Molecular Formula	$C_8H_{14}O_2S_2$
Storage Temp.	+4°C



Property	Specification
Physical Description	Pale yellow to dark yellow powder
Identification	A, B, according to USP
Residue on Ignition	≤ 0.1%
Heavy Metals	≤ 10ppm
Any Individual Impurity	≤ 0.1%
Total Impurities	≤ 2.0%
Chromatographic Purity	To pass test
Melting Point	60.0 - 62.0 °C
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-1.0 - +1.0 ° (c=5, ethanol)
Loss on Drying	≤ 0.2% (40°C, 3h)
Assay	99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.0
Date Created	-	2019-12-08

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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