

Batch no 3F230816
Mf date Aug 16 2023
Retest Jan 15 2026

Molecular Structure



Molecular Formula $C_8H_{14}O_2S_2$
Molecular Weight 206.33
CAS Registry Number 1077-28-7

Mar 12 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Yellowish crystalline powder	Conforms
Identification	HPLC, IR	Positive
Melting point	60 ~ 62°C	60.7 ~ 61.6°C
Specific rotation	-1.0° ~ +1.0°	-0.2°
Related substances	Max individual impurity ≤ 0.1%	0.02%
	Total impurities ≤ 2.0%	0.02%
Polymeric lipoic acid	≤ 1.0%	Conforms
Loss on drying	≤ 0.2%	0.1%
Residue on ignition	≤ 0.1%	< 0.1%
Residual solvents	Cyclohexane ≤ 0.388%	0.034%
	Ethyl acetate ≤ 0.5%	0.005%
	Toluene ≤ 0.089%	ND
Assay (HPLC) odb	99.0 ~ 101.0% of $C_8H_{14}O_2S_2$	99.4%

Packaging & Storage	Preserve in well-closed containers
Conclusion	Material complies with USP43