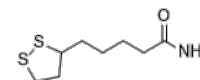


**Product Name** : Lipoamide  
**Cat. No.** : PC-24660  
**CAS No.** : 940-69-2  
**Molecular Formula** : C<sub>8</sub>H<sub>15</sub>NOS<sub>2</sub>  
**Molecular Weight** : 205.33  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

Lipoamide (Alpha-lipoamide) is a neutral derivative of lipoic acid with antioxidant and organ-protective properties, specifically prevents cytoplasmic condensation of stress granule proteins including SRSF1 and SFPQ. Lipoamide (LAM) has been widely studied as an agent for alleviating various diseases associated with oxidative disruption. Lipoamide ameliorates aging-associated aggregation of a stress granule reporter protein, improves neuronal morphology and recovers motor defects caused by amyotrophic lateral sclerosis-associated FUS and TDP-43 mutants.

### References

Uechi H, Nat Chem Biol. 2025 May 14. doi: 10.1038/s41589-025-01893-5.  
Tan WL, et al. Biochem Pharmacol. 2025 Apr 12;237:116942.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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