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**Product Data Sheet**

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Product Name: L-Lysine thioctate

Cat. No.: GC34648

**Chemical Properties**

Cas. No. 20902-53-8

SMILES N[C@@H](CCCCN)C(O)=O.O=C(O)CCCCC1SSCC1Formula  $C_{14}H_{28}N_2O_4S_2$  M.Wt 352.51

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

L-Lysine thioctate is a substrate of lipoamidase[1].

[1]. Motafakkerazad R, et al. Simple HPLC evaluation of lipoamidase activity in tissue using a newly synthesized fluorescent substrate, dansyl- $\alpha$ -lipoyllysine. J Nutr Sci Vitaminol (Tokyo). 2011;57(5):377-82. Erratum in: J Nutr Sci Vitaminol (Tokyo). 2012;58(1):68.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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