



## α-Lipoic acid

### Cell Culture Tested

**Product Code:** TC449

### Product Description:

Molecular Formula:  $C_8H_{14}O_2S_2$

Molecular Weight: 206.33

CAS No: 1077-28-7

Synonyms: (±)-α-Lipoic acid, (±)-1,2-Dithiolane-3-pentanoic acid, 6,8-Dithiooctanoic acid, DL-α-Lipoic acid, DL-6,8-Thioctic acid, Lip(S2)

### Storage and Shelf Life:

Store at 2 - 8°C.

Shelf life is 36 months.

Use before the expiry given on product label.

### Quality Control:

#### Appearance

Yellow to yellow-brown crystals or powder.

#### Solubility

33.3 mg soluble in 1 mL of ethanol.

#### FTIR

Matches with the standard pattern

#### Melting range

59.00 - 63.00°C

#### Assay (NaOH Titration)

98.00 - 102.00%

### Disclaimer :

Revision: 04/2024

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