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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Thioctic Acid Impurity 20 (Mixture of Isomers)**

### Identification:

Chemical Name: 5-(2-oxido-1,2-dithiolan-3-yl)pentanoate and 5-(1-oxido-1,2-dithiolan-3-yl)pentanoate, sodium salt (1:1)

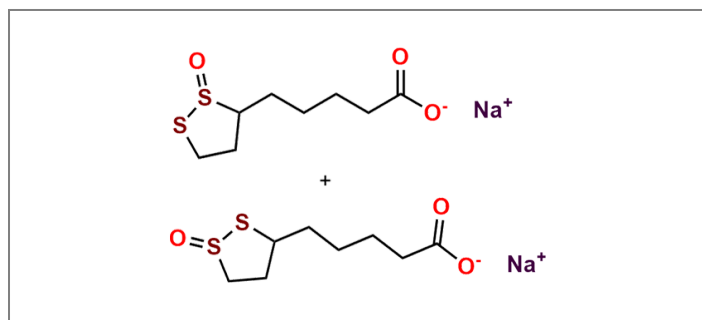
Synonyms : NA

CAS Number : NA

CAT Number : CP-T110056

Molecular Formula : C<sub>8</sub>H<sub>13</sub>O<sub>3</sub>S<sub>2</sub> : Na

Molecular Weight : 221.32 : 23.0



### Analytical Information:

| Sr. No. | Test              | Result                   |
|---------|-------------------|--------------------------|
| 1)      | Description       | Solid                    |
| 2)      | Solubility        | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS      | Confirm to structure     |
| 4)      | Purity By HPLC    | >95%                     |
| 5)      | <sup>1</sup> HNMR | Confirm to structure     |



### Prepared and Reviewed By



Ms Priyanka Salunkhe  
(Quality Control)

### Approved By



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.