



Aldrich: D12840-6
Rare Chemicals Library: S40786-0
Sigma: T3390

>>Derivative: Ditridecyl ester

CAS Registry Number: 10595-72-9
Molecular Formula: C₃₂H₆₂O₄S
Molecular Weight: 542.905
Accurate Mass: 542.43688
Percentage Composition: C 70.80%; H 11.51%; O 11.79%; S 5.91%
Use/Importance: Polymer antioxidant plasticiser
Density: d 0.94
Refractive Index: n_D²⁰ 1.4700

>>Derivative: Ditetradecyl ester

CAS Registry Number: 16545-54-3
Molecular Formula: C₃₄H₆₆O₄S
Molecular Weight: 570.959
Accurate Mass: 570.46818
Percentage Composition: C 71.52%; H 11.65%; O 11.21%; S 5.62%
Use/Importance: Polymer antioxidant plasticiser
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 52-53°

>>Derivative: Dioctadecyl ester

Synonym(s): Dioctadecyl thiobispropanoate. Naugard DSTDP. Irganox PS 802. Yoshinox DSTDP

CAS Registry Number: 693-36-7
Molecular Formula: C₄₂H₈₂O₄S
Molecular Weight: 683.173
Accurate Mass: 682.59338
Percentage Composition: C 73.84%; H 12.10%; O 9.37%; S 4.69%
Use/Importance: Antioxidant for polymers
Physical Description: Cryst.
Melting Point: Mp 61°

Aldrich: 41310-0
Sigma: D2267

>>Derivative: Dichloride

CAS Registry Number: 18733-39-6
Molecular Formula: C₆H₈Cl₂O₂S
Molecular Weight: 215.099
Accurate Mass: 213.962204
Percentage Composition: C 33.50%; H 3.75%; Cl 32.96%; O 14.88%; S 14.91%
Physical Description: Oil
Boiling Point: Bp₁ 120-121°

>>Derivative: Diamide

CAS Registry Number: 5459-10-9
Molecular Formula: C₆H₁₂N₂O₂S
Molecular Weight: 176.239
Accurate Mass: 176.061948
Percentage Composition: C 40.89%; H 6.86%; N 15.90%; O 18.16%; S 18.19%
Physical Description: Plates (EtOH)
Melting Point: Mp 182°