

Supporting Information

Multifunctional Lubricant Additives Derived from Natural Amino Acids and Methyl Oleate

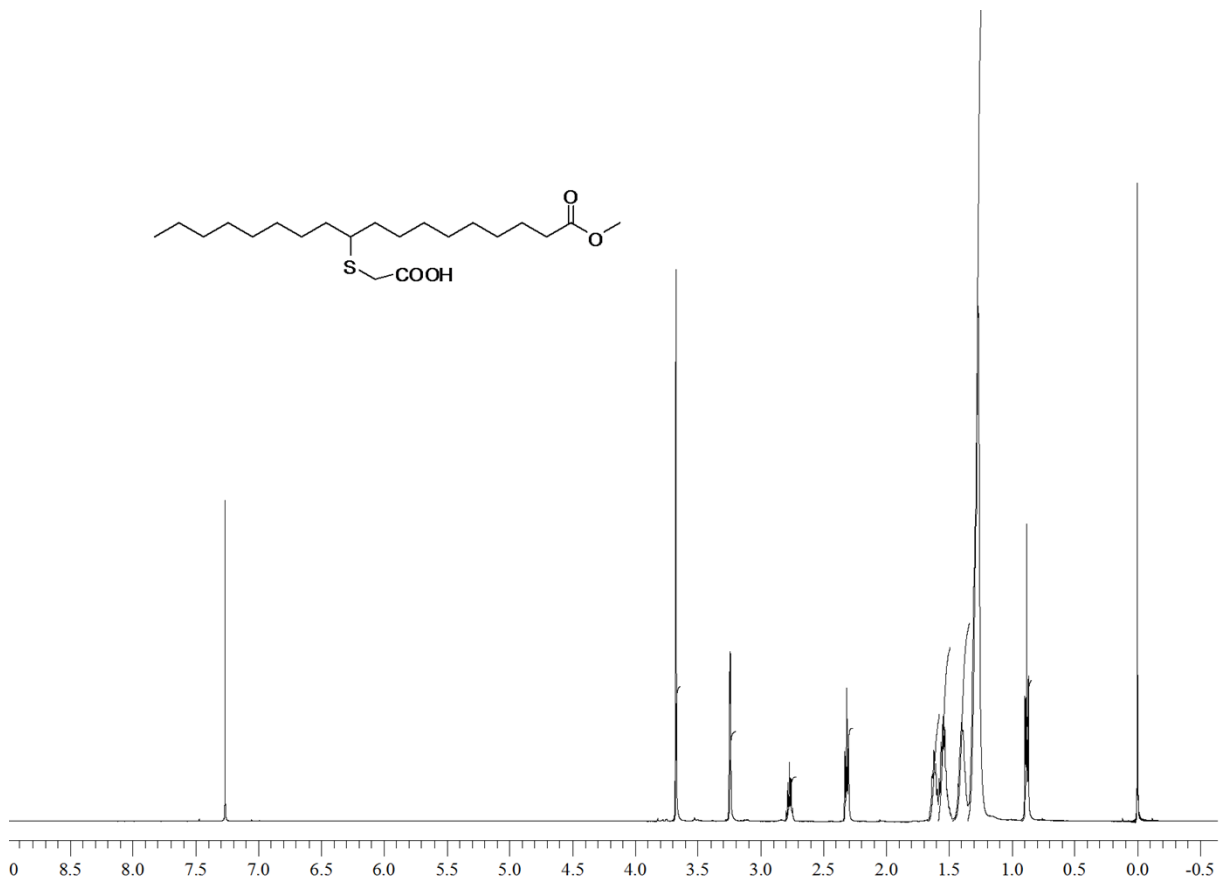
Arukali Sammaiah. Korlipara V. Padmaja. Shiva Shanker Kaki. Rachapudi B.N. Prasad
Centre for Lipid Research, CSIR-Indian Institute of Chemical Technology, Uppal Road,
Tarnaka, Hyderabad 500007, India.

Correspondence:

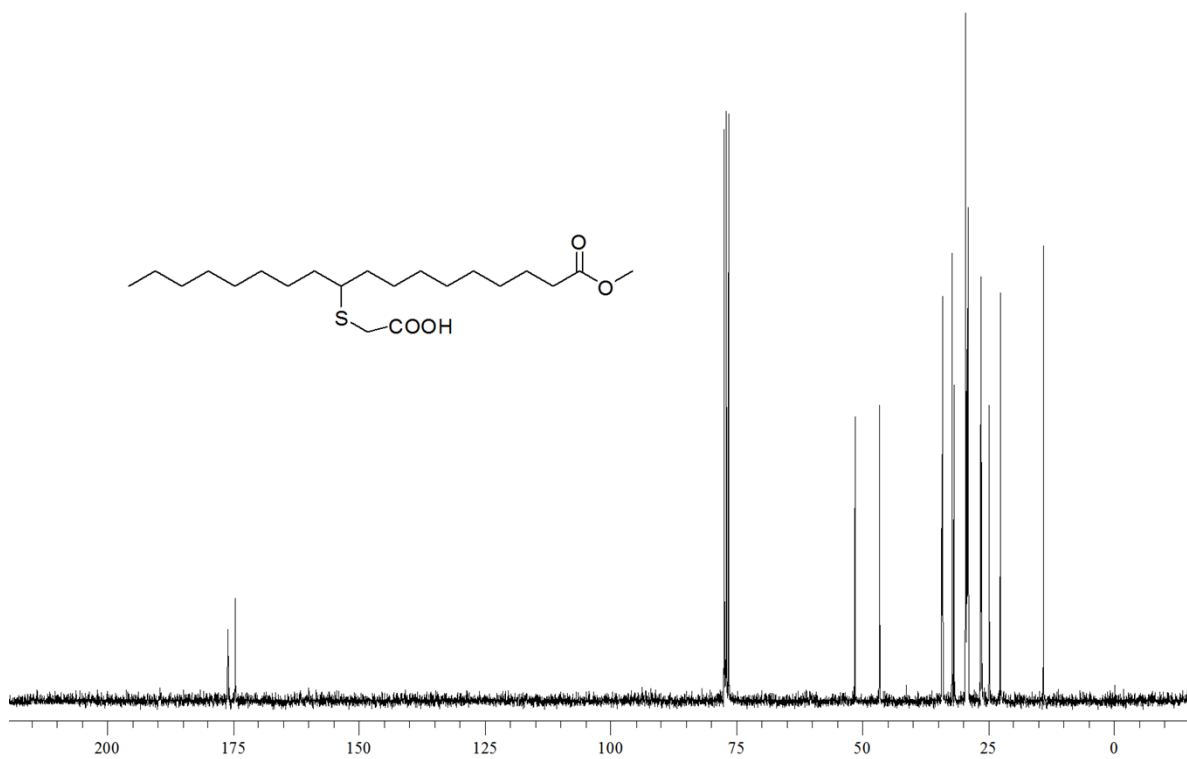
Dr.R.B.N. Prasad, Centre for Lipid Research, CSIR-Indian Institute of Chemical Technology,
Uppal Road, Hyderabad 500007, India.

E-mail: rbnprasad@iict.res.in

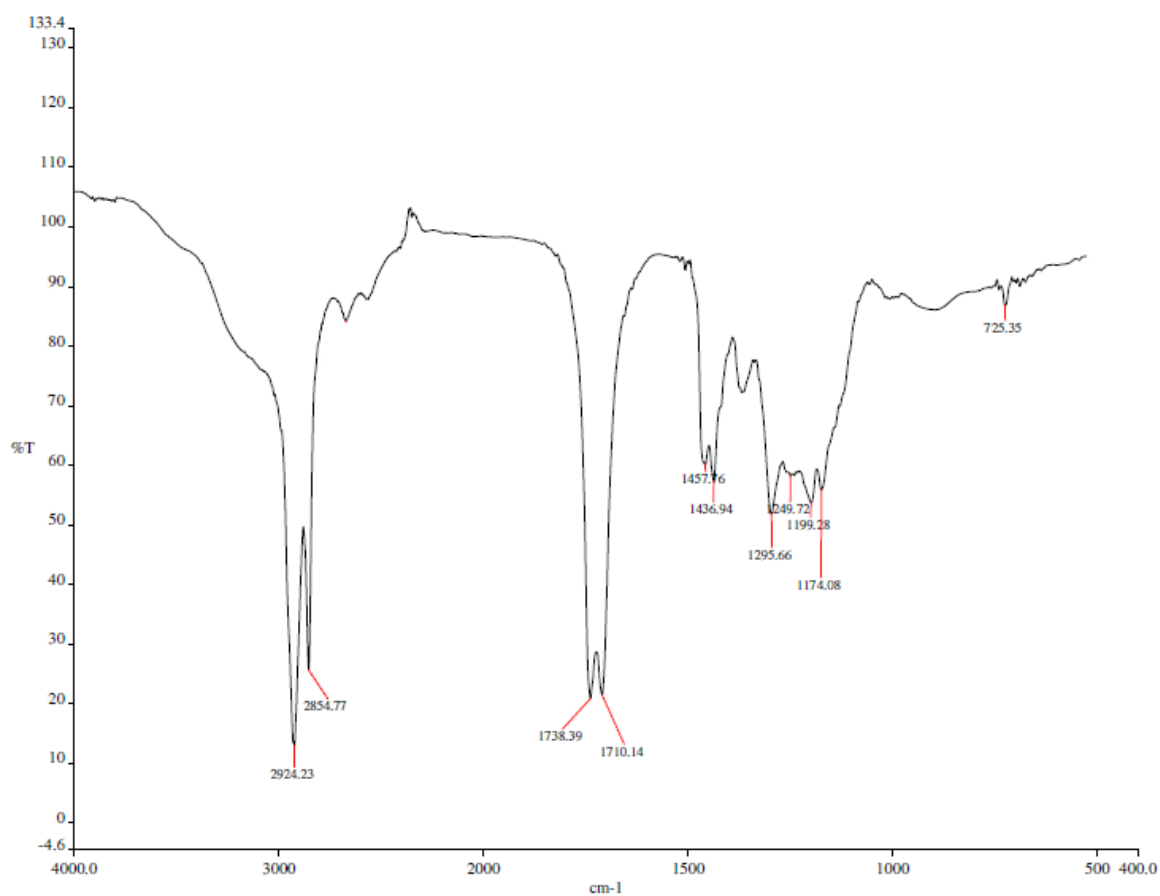
Fax: +91-40-27193370



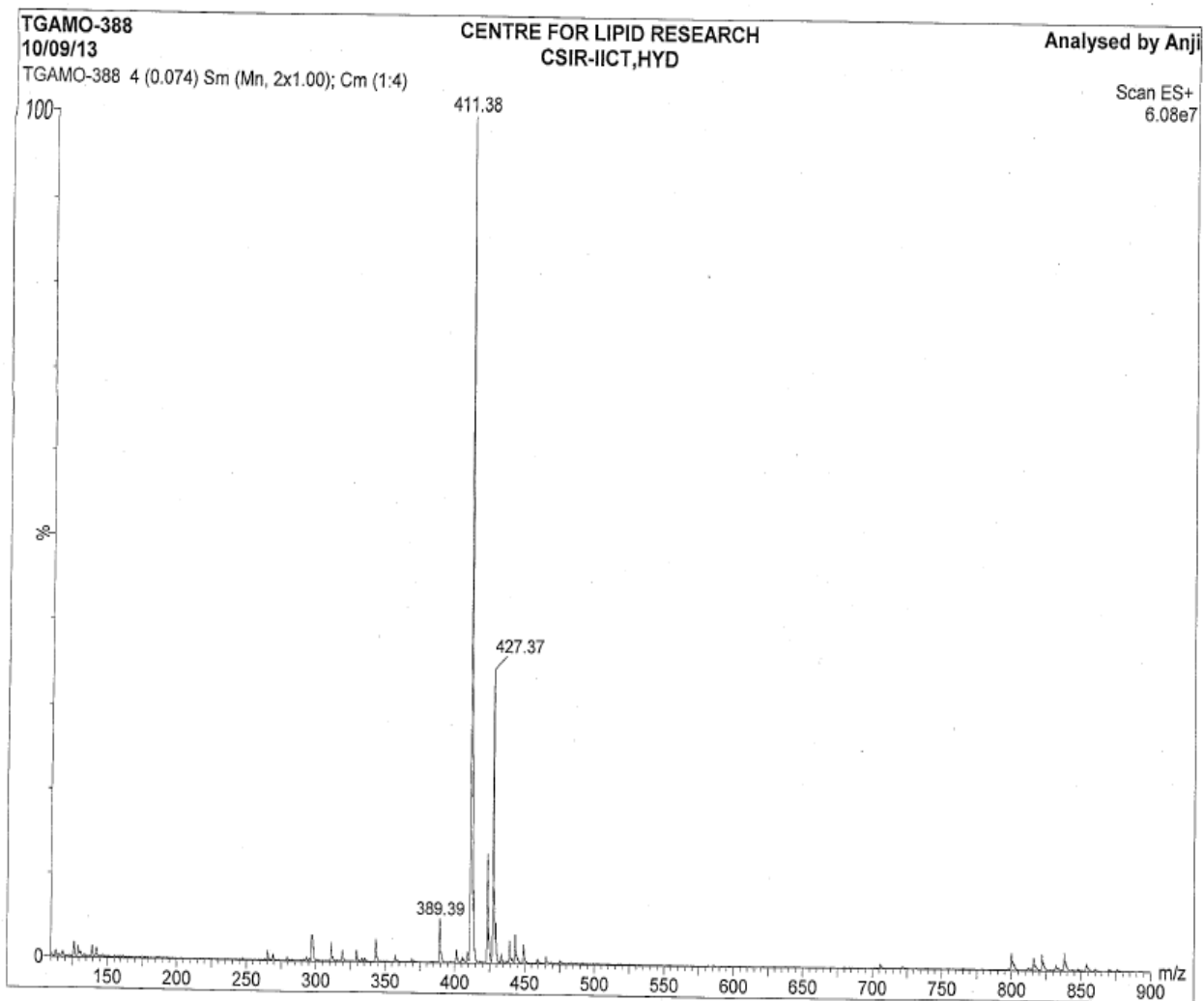
SI-1: ¹H-NMR Spectrums of 2-(18-methoxy-18-oxooctadecan-9-ylthio) acetic acid from methyl oleate (2).



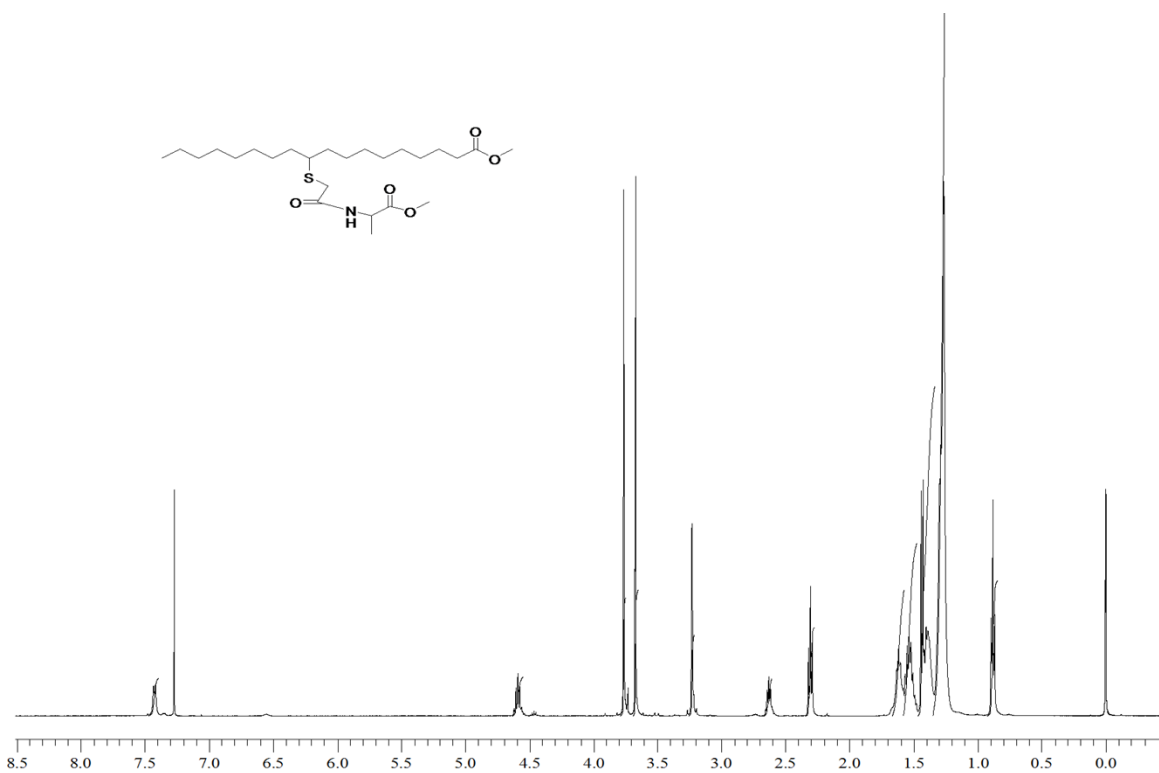
SI-2: ¹³C-NMR Spectrums of 2-(18-methoxy-18-oxooctadecan-9-ylthio) acetic acid from methyl oleate (2).



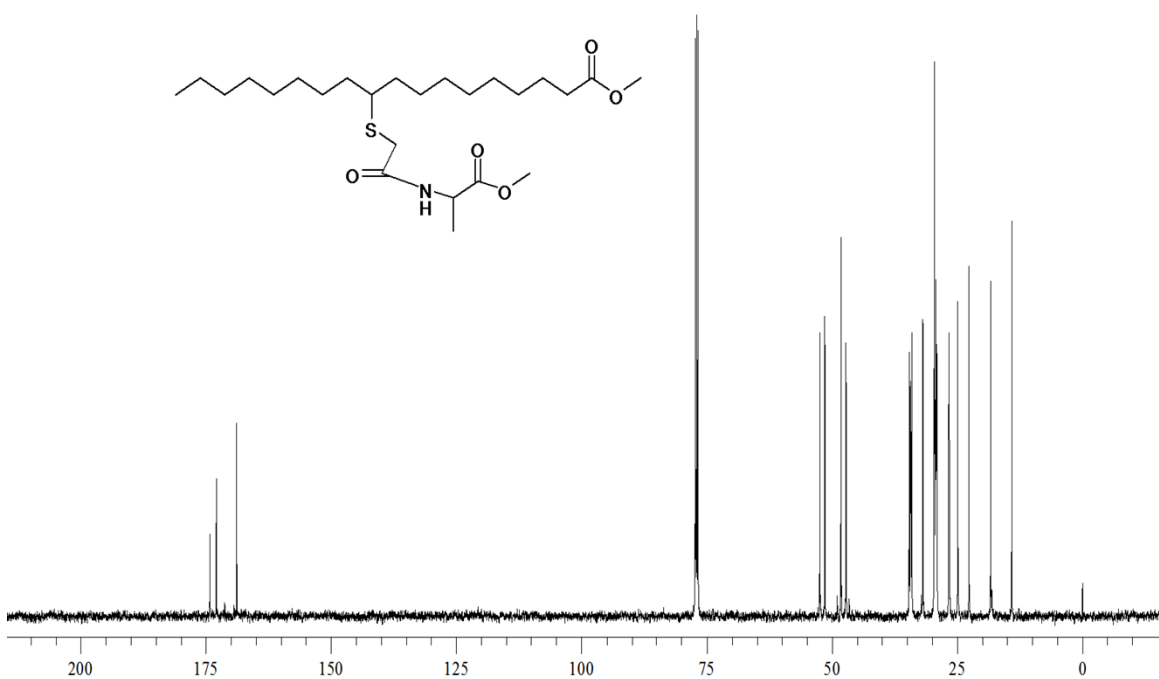
SI-3: FT-IR spectrum of the 2-(18-methoxy-18-oxooctadecan-9-ylthio) acetic acid from methyl oleate (2).



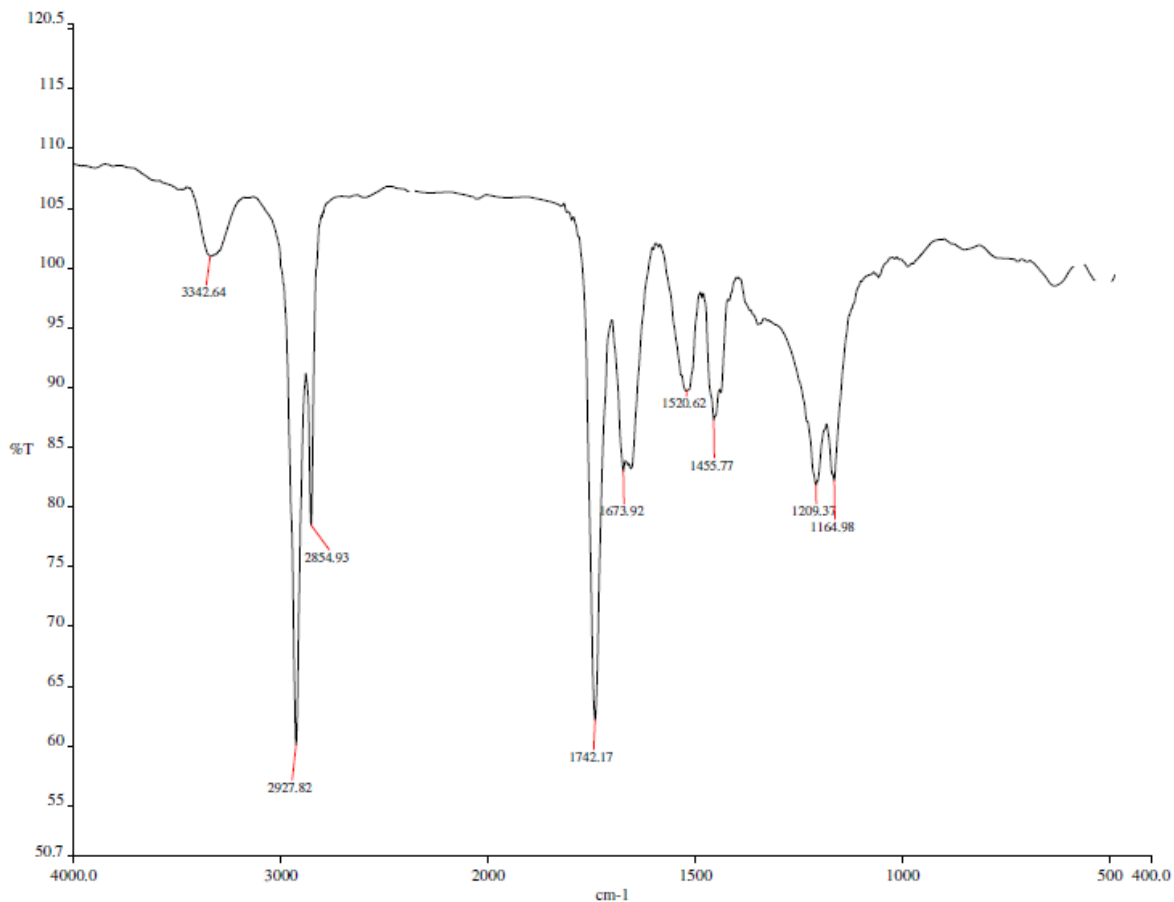
SI-4: ESI Mass spectrum of the 2-(18-methoxy-18-oxooctadecan-9-ylthio) acetic acid from methyl oleate (2).



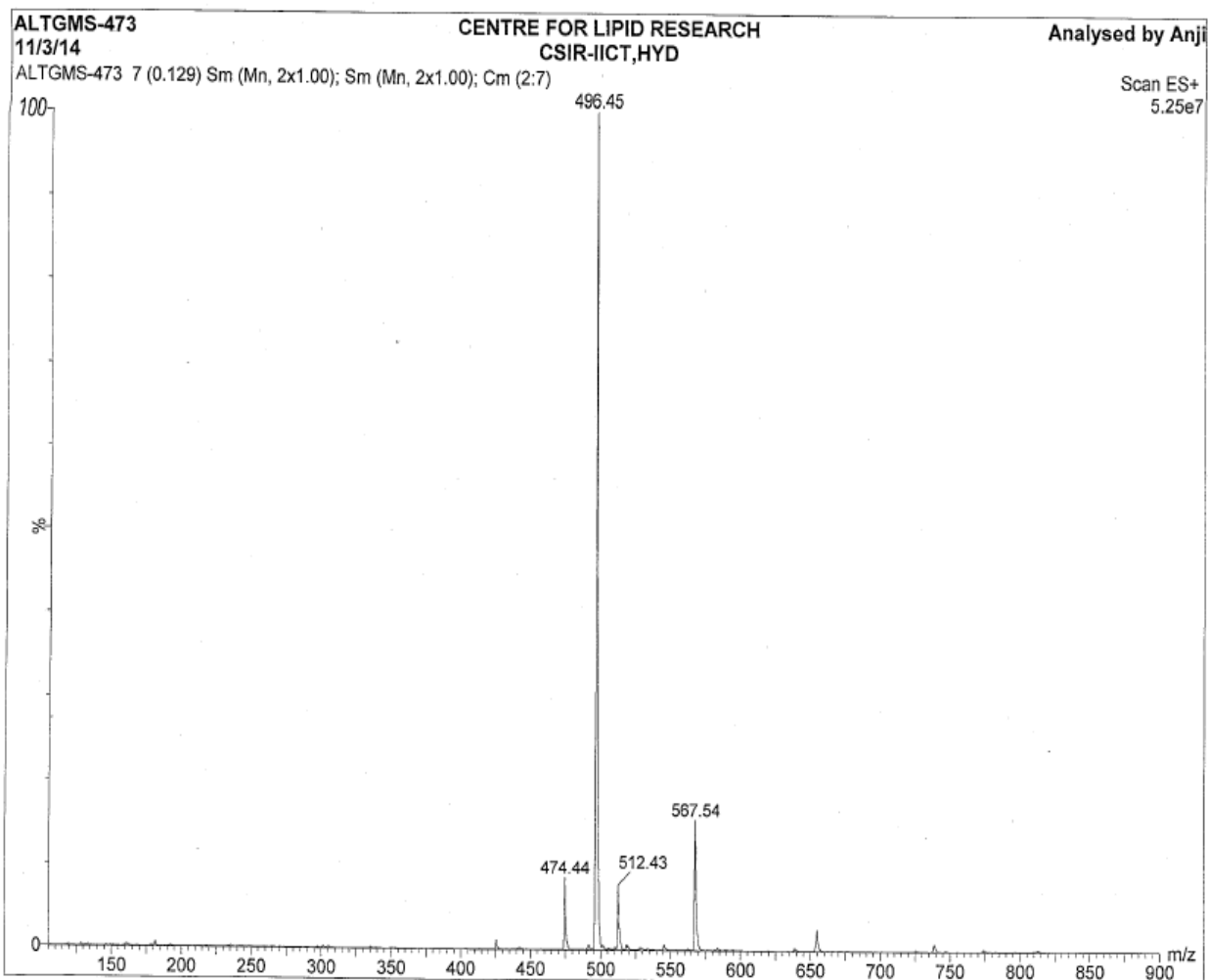
SI-5: $^1\text{H-NMR}$ Spectrums of Methyl 10-(2-(1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3b).



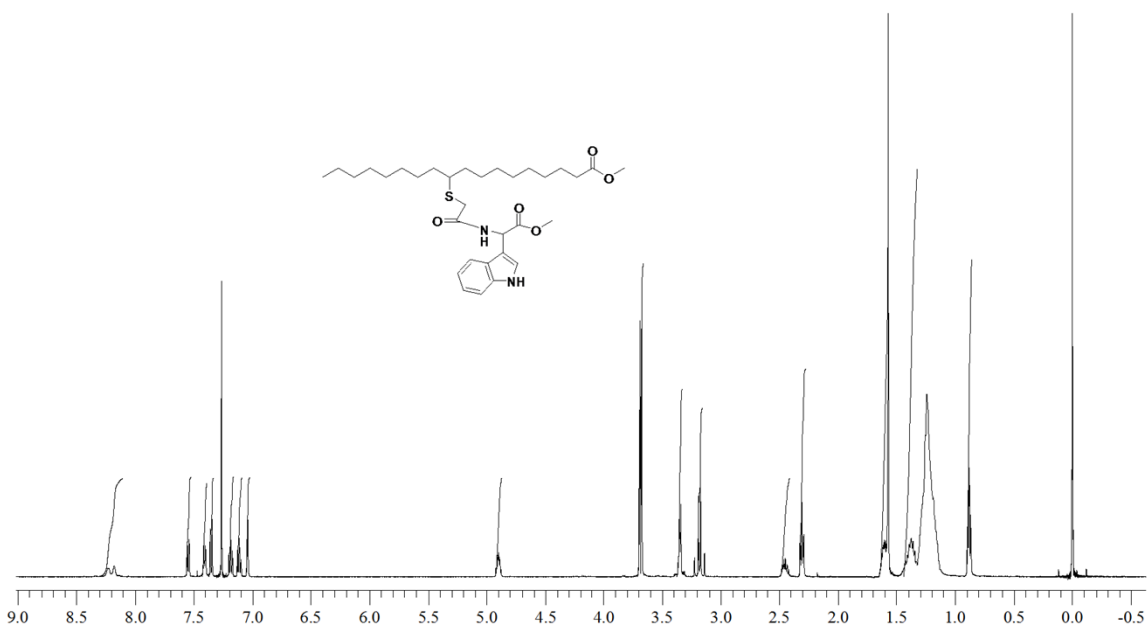
SI-6: ^{13}C -NMR Spectrums of Methyl 10-(2-(1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3b).



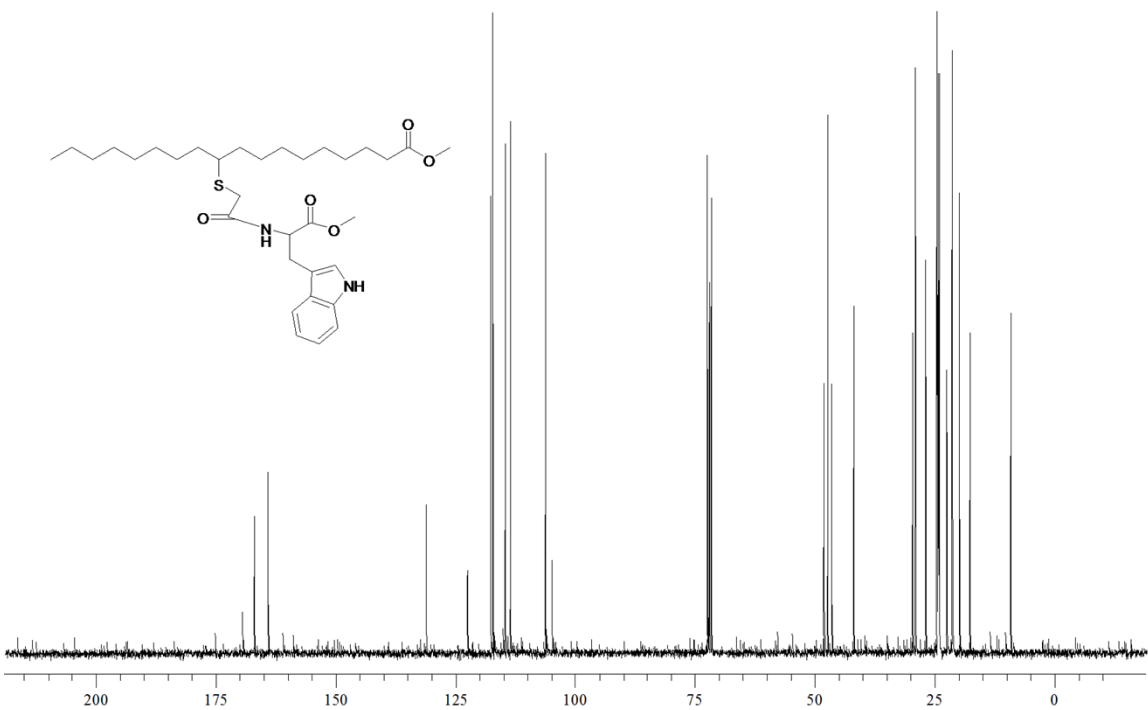
SI-7: FT-IR Spectrums of Methyl 10-(2-(1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3b).



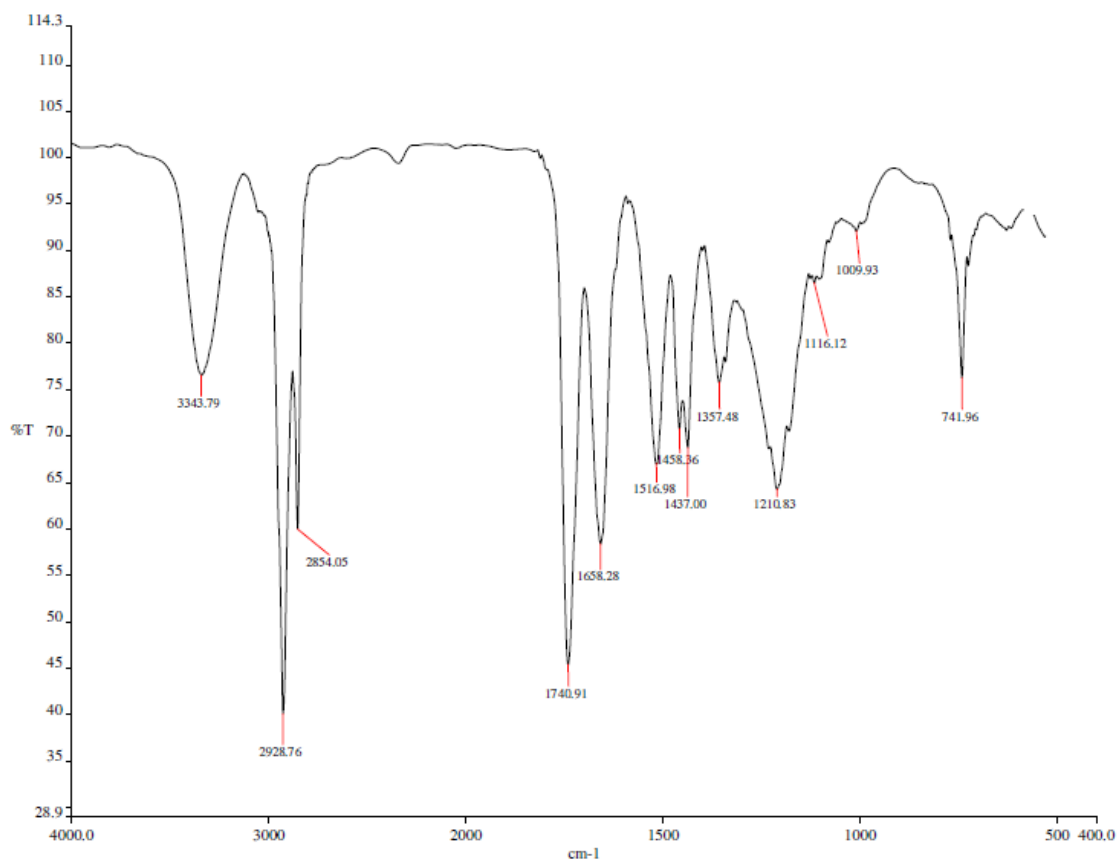
SI-8: ESI Mass Spectrums of Methyl 10-(2-(1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3b).



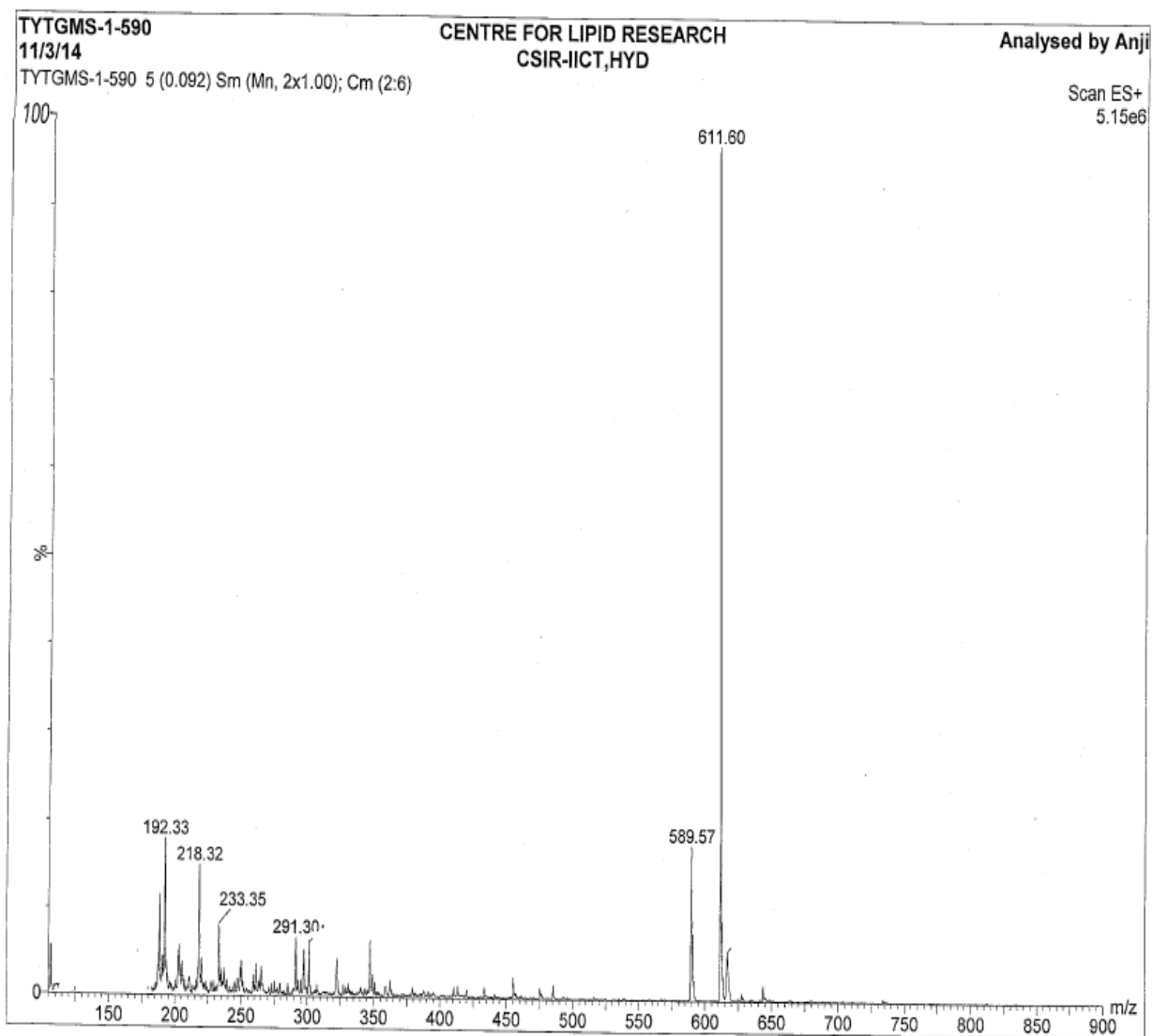
SI-9: ^1H -NMR Spectrums of Methyl 10-(2-(3-isoindol-1-yl)-1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3f).



SI-10: ^{13}C -NMR Spectrums of Methyl 10-(2-(3-isoindol-1-yl)-1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3f).



SI-11: FT-IR Spectrums of Methyl 10-(2-(3-isoindol-1-yl)-1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3f).



SI-12: ESI Mass Spectrums of Methyl 10-(2-(3-isoinol-1-yl)-1-methoxy-1-oxopropan-2-ylamino)-2-oxoethylthio) octadecanoate (3f).