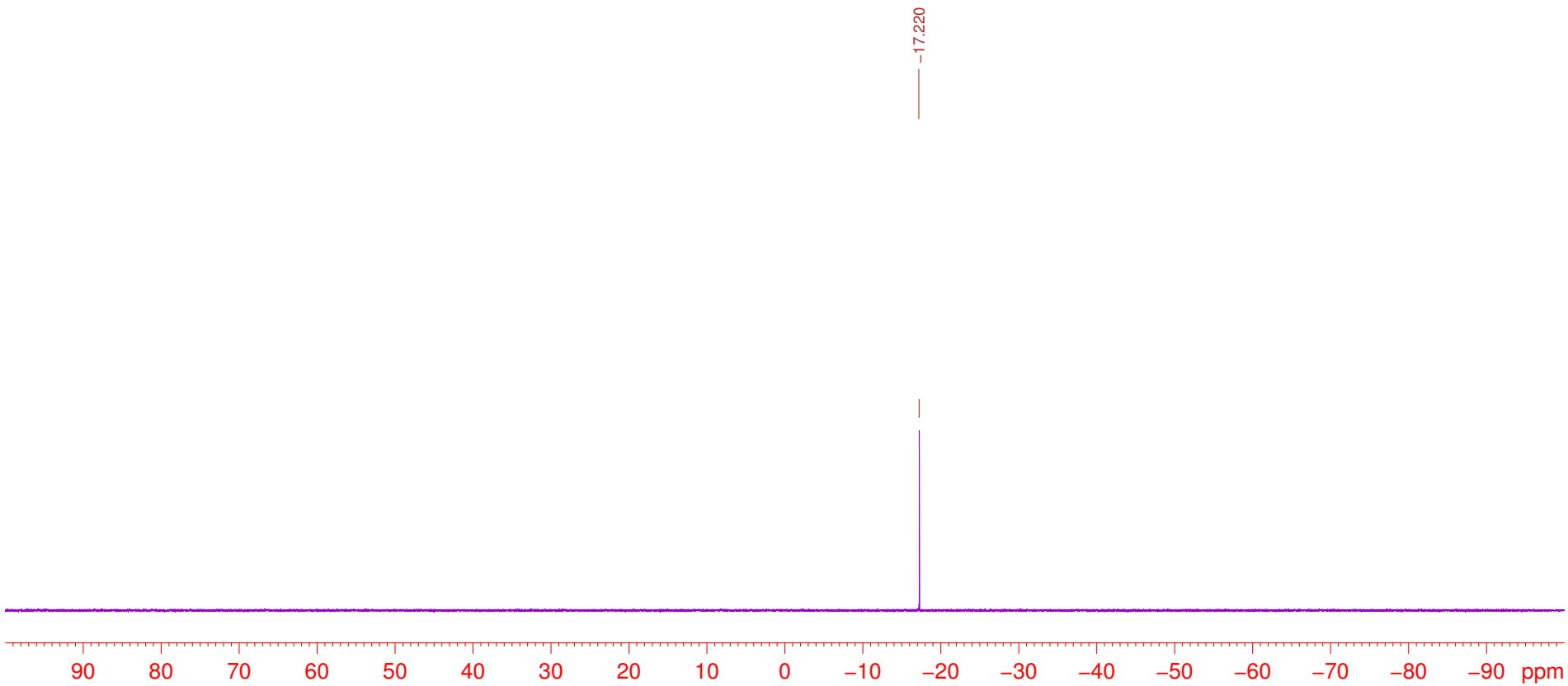500MHz P31 CD3COCD3 NTU-Hic