

IR spectrum of compound 10. The x-axis represents wavenumber in cm^{-1} (ranging from 4000 to 450), and the y-axis represents percent transmittance (%T) (ranging from 15 to 90). The spectrum shows characteristic absorption bands, including a broad O-H stretch around 3400 cm^{-1} , C-H stretches near 2900 cm^{-1} , a strong C=O carbonyl stretch at 1700 cm^{-1} , and various C-O and C-N stretches in the fingerprint region below 1500 cm^{-1} .

Page 1