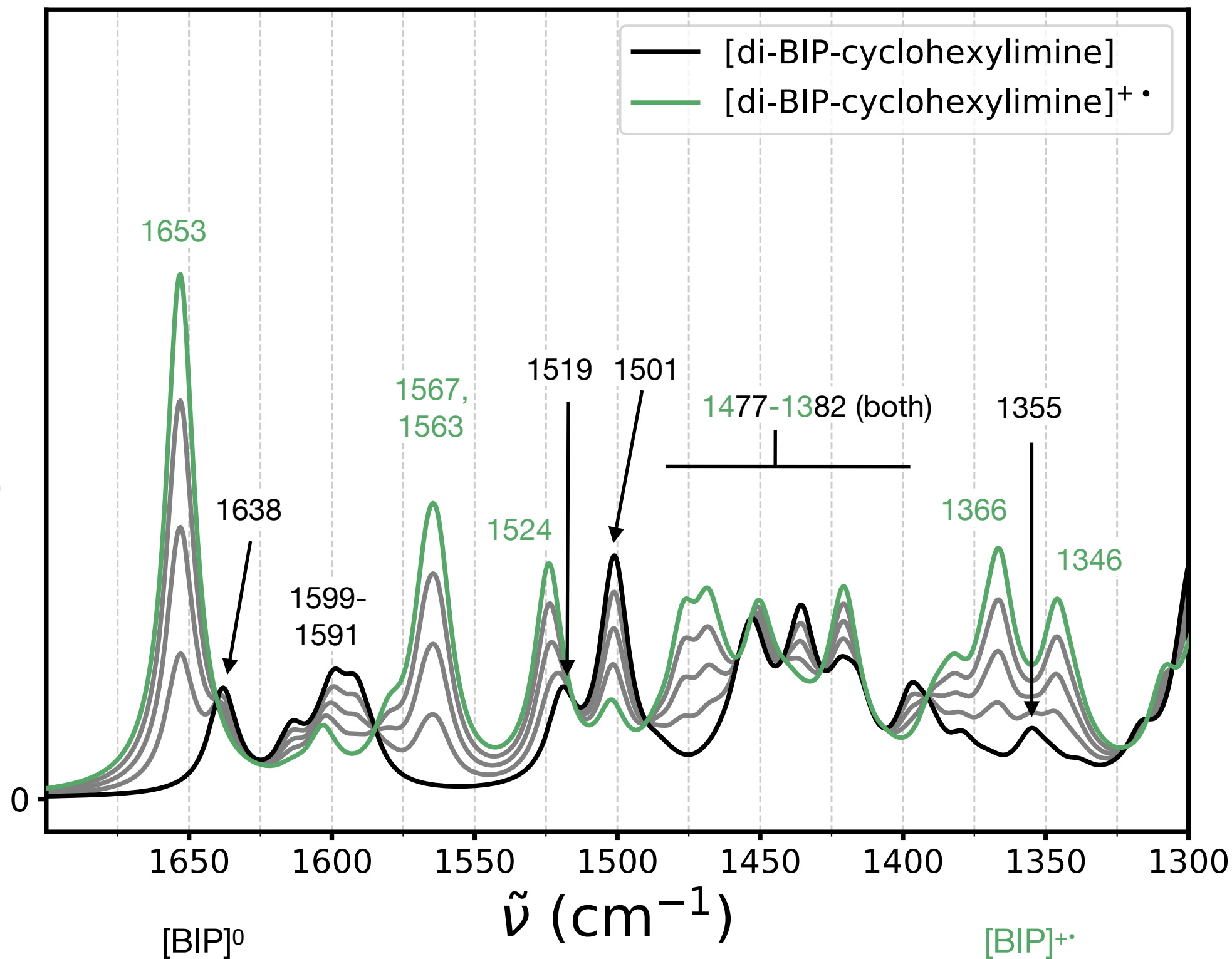


energy / cm^{-1}	mode
1643	imine C=N stretch
1611,1593	Bz C=C stretch
1504	phenol-Bz C-C stretch
1471-1370	methyl bends

energy / cm^{-1}	mode
1651	imine C=NH ⁺ stretch
1569	Bz C=C stretch
1508	phenol-Bz C-C stretch
1471-1370	methyl bends
1334	Bz C=N stretch

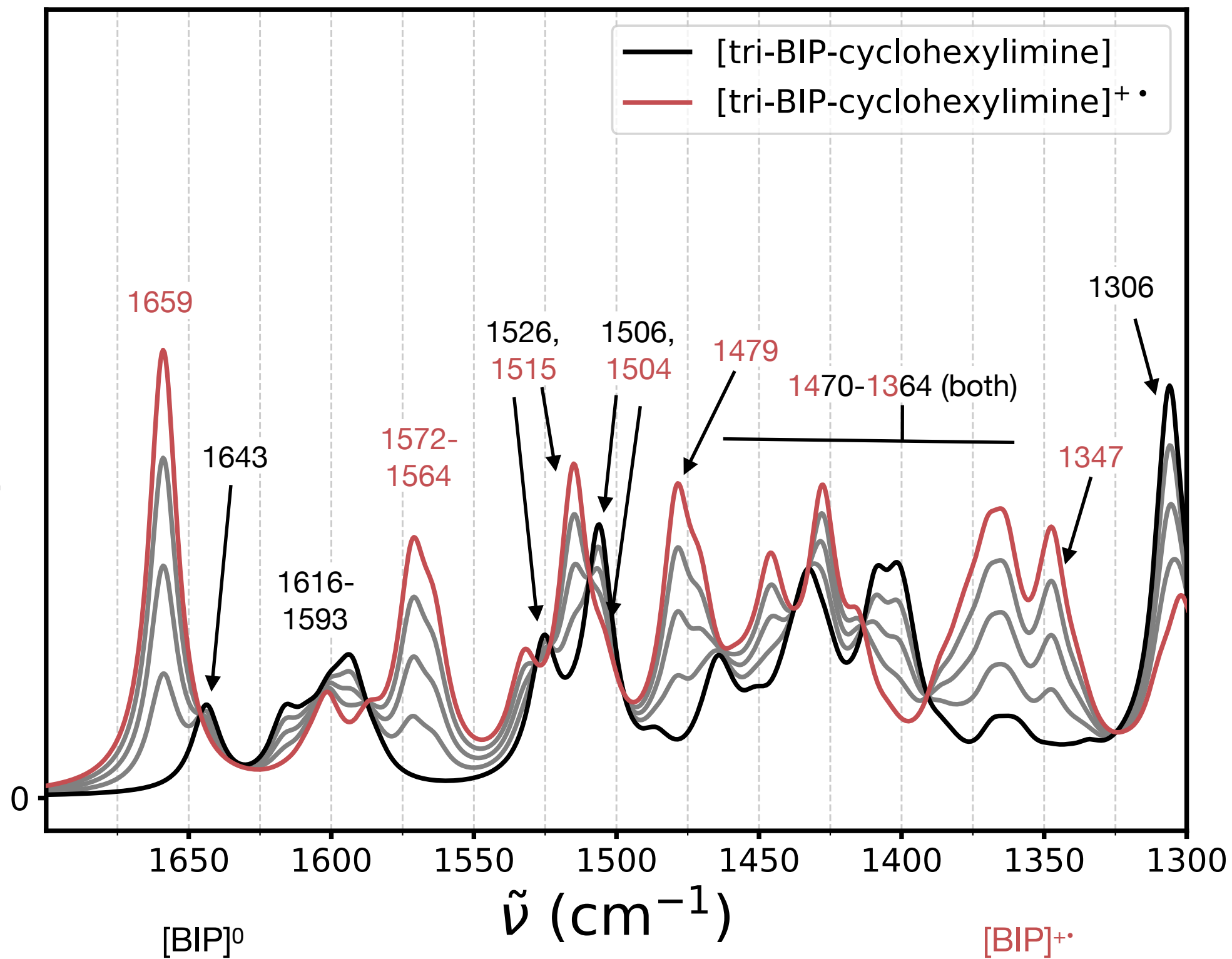
Intensity (arb. units)



energy / cm ⁻¹	mode
1638	imine C=N stretch
1599-1591	Bz C=C stretch
1519	Bz-Bz C-C stretch
1501	phenol-Bz C-C stretch
1477-1382	methyl bends
1355	Bz C=N stretch

energy / cm ⁻¹	mode
1653	imine C=NH ⁺ stretch
1567,1563	Ph C=C stretch, Bz C=C stretch
1524	Bz-Bz C-C stretch
1477-1382	methyl bends
1366	Bz C-H bend
1346	Bz C=N stretch

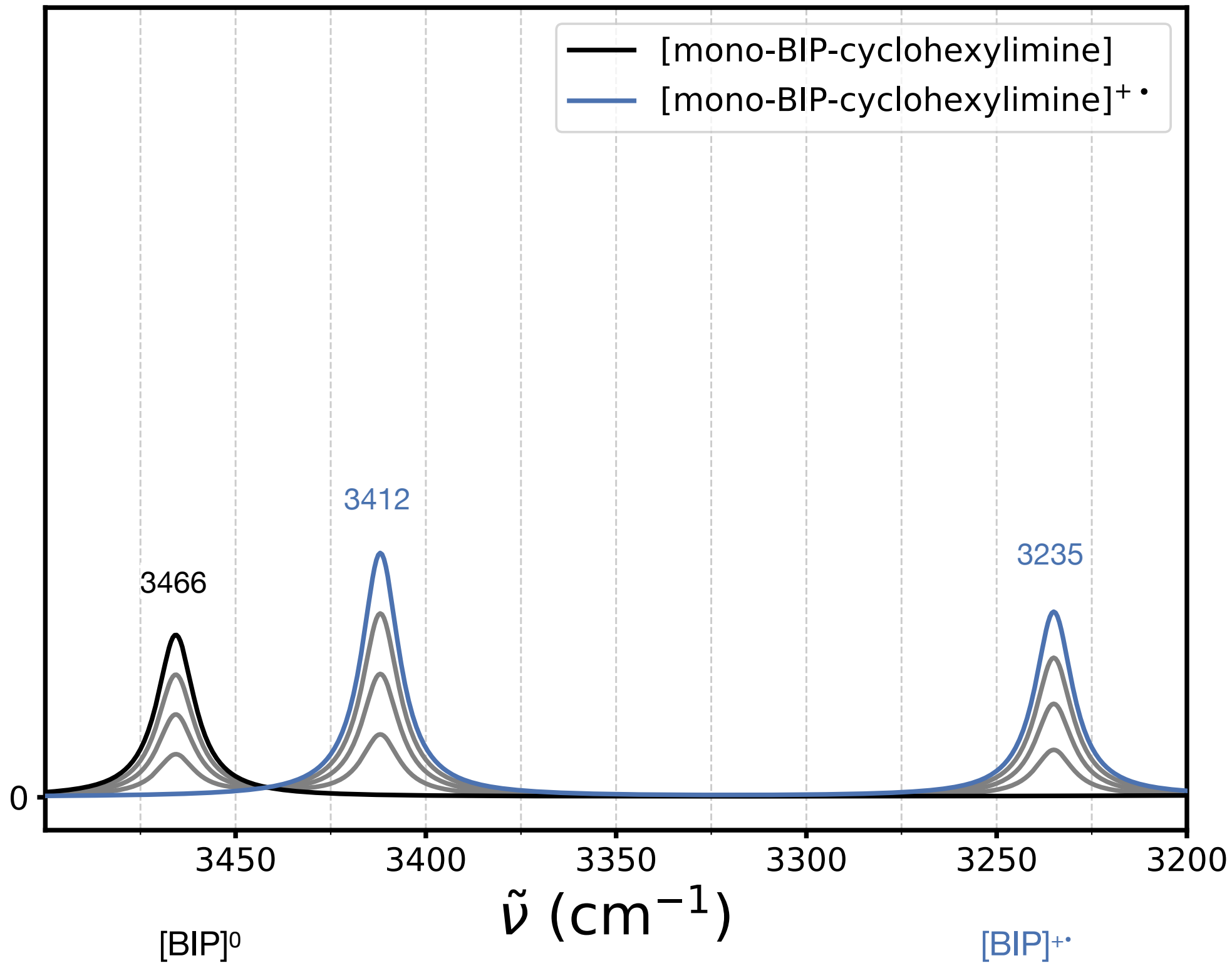
Intensity (arb. units)



energy / cm ⁻¹	mode
1643	imine C=N stretch
1616-1593	phenol C=C stretch, Bz C=C stretch
1526	Bz-Bz C-C stretch
1506	phenol-Bz C-C stretch
1470-1364	various C-H bends (same for [BIP] ⁺ •)
1306	Bz N-H bend (Bz nearest phenol)

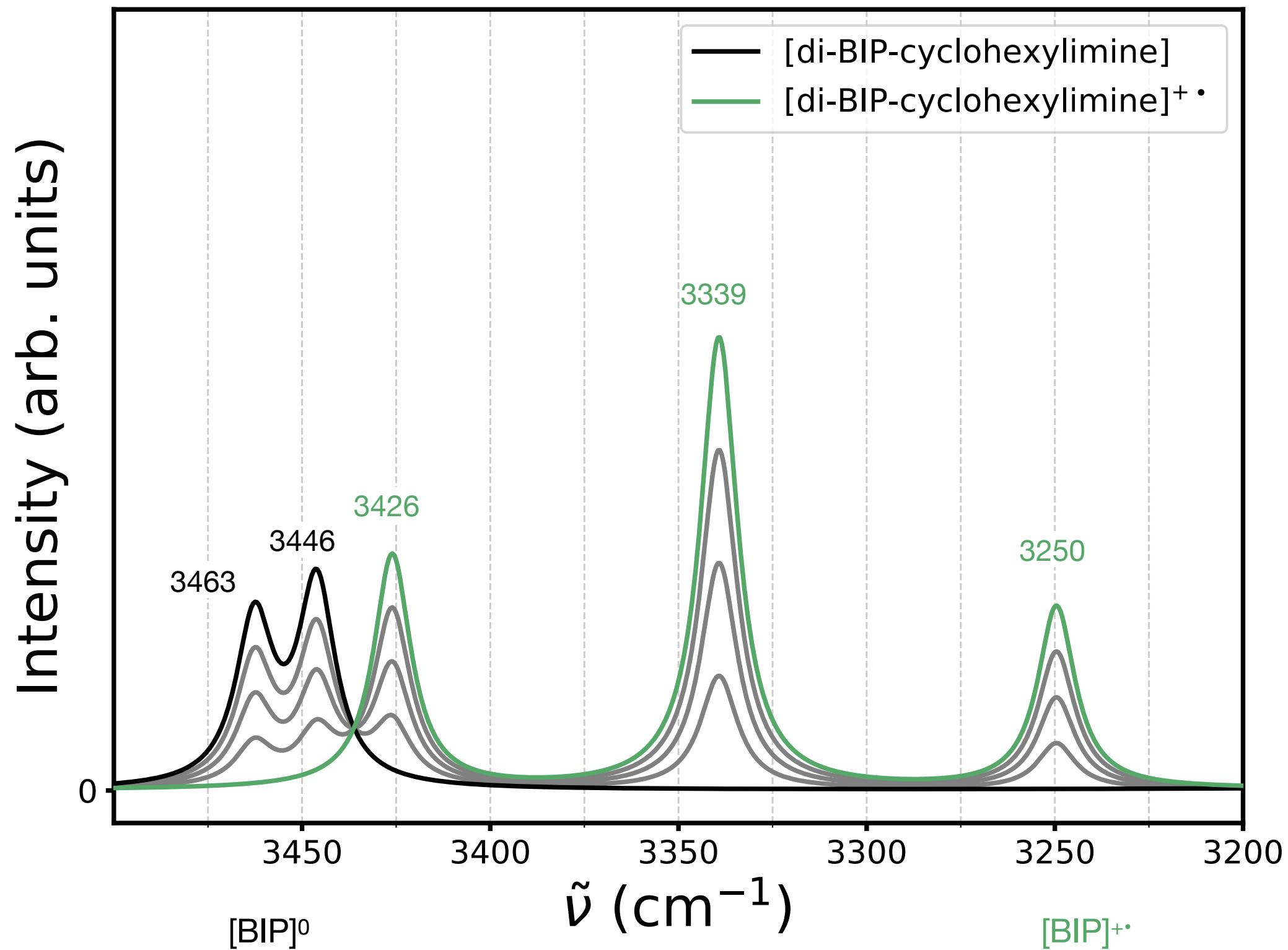
energy / cm ⁻¹	mode
1659	imine C=NH ⁺ stretch
1572-1564	phenol C=C stretch, Bz C=C stretch
1515	Bz-Bz C-C stretch
1504	phenol-Bz C-C stretch
1479	Bz N-H bend (Bz nearest phenol)
1347	Bz C=N stretch

Intensity (arb. units)



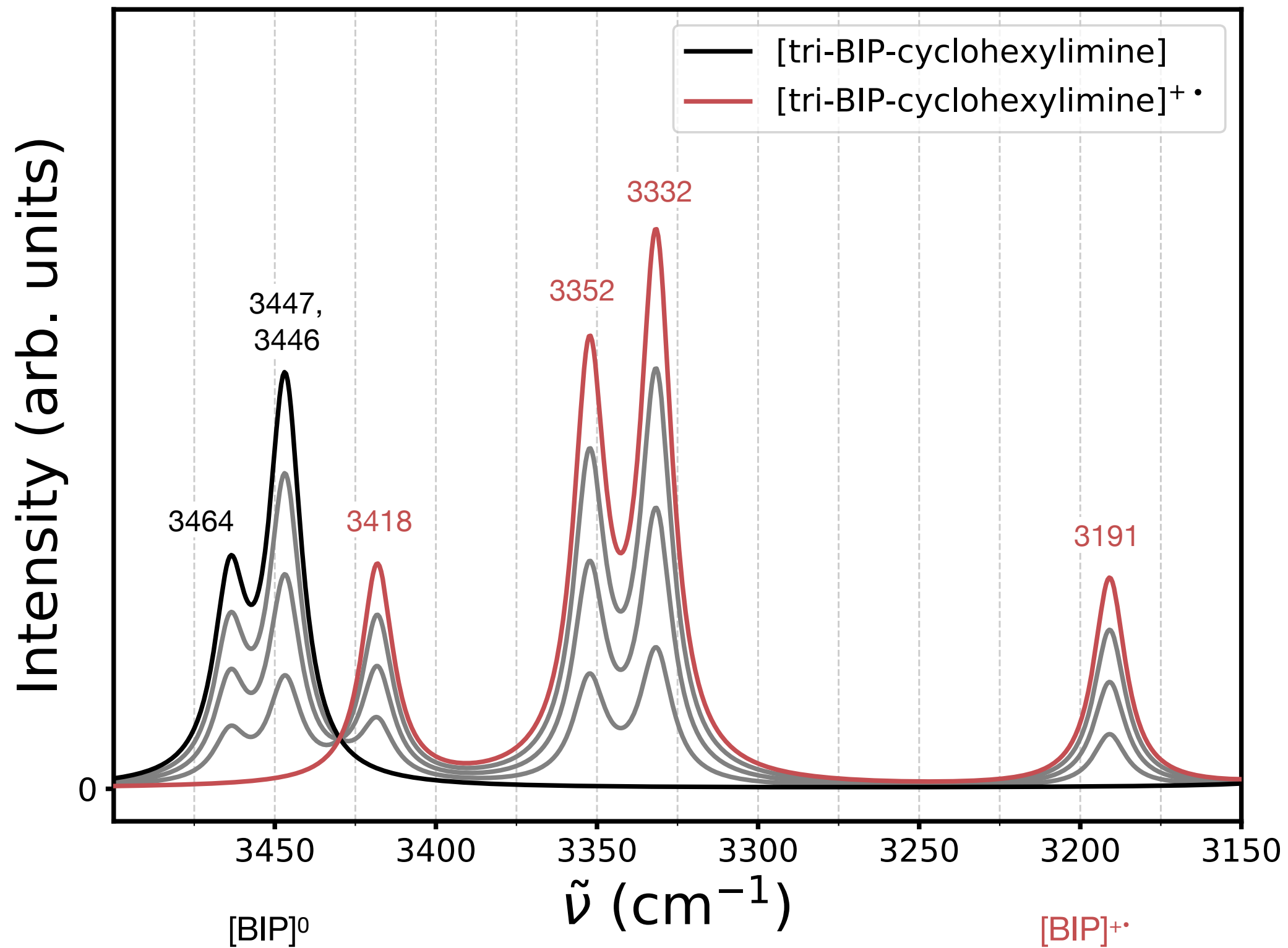
energy / cm ⁻¹	mode
3466	Bz N-H stretch

energy / cm ⁻¹	mode
3412	Bz N-H stretch
3235	imine CN-H ⁺ stretch



energy / cm^{-1}	mode
3463	Bz N-H stretch (Bz nearest imine)
3446	Bz N-H stretch (Bz nearest phenol)

energy / cm^{-1}	mode
3426	Bz N-H stretch (Bz nearest phenol)
3339	Bz N-H stretch (Bz nearest imine)
3250	imine CN-H ⁺ stretch



energy / cm^{-1}	mode
3464	Bz N-H stretch (central Bz)
3447	Bz N-H stretch (Bz nearest imine)
3446	Bz N-H stretch (Bz nearest phenol)

energy / cm^{-1}	mode
3418	Bz N-H stretch (Bz nearest phenol)
3352	Bz N-H stretch (central Bz)
3332	Bz N-H stretch (Bz nearest imine)
3191	imine CN-H ⁺ stretch