

HMBC: Heteronuclear Multiple Bond Correlation

- Correlates ^{13}C to ^1H which is 2 or 3 bonds away
- $^{13}\text{C}-\text{CH} = 2$ bond correlation
- $^{13}\text{C}-\text{C}-\text{CH} = 3$ bond correlation
- $^{13}\text{C}-\text{H} = 1$ bond correlation (HSQC)
- One-bond correlations are artifacts in HMBC