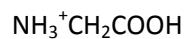


Which is the order of increasing acidity for the given carboxyl groups?



| | |
|---|----------|
| $\text{CH}_3\text{CONHCH}_2\text{COOH}$ | 3.67 [1] |
| CH_3COOH | 4.79 |
| $\text{NH}_3^+\text{CH}_2\text{COOH}$ (protonated) | 9.78 [1] |

Such an order can be explained by different structure of R in (R-COOH).

[1] <http://ifs.massey.ac.nz/outreach/resources/chem/orgbases.php>