

Chem 2062

Carboxylic acid and derivative nomenclature worksheet

Write the names for the carboxylic acids shown, as well as the related acid chloride (R-COCl), ethyl ester (R-CO₂Et), and primary amide (R-CONH₂). Use IUPAC names for all, but also include common names for formic, acetic, and malonic acid.

Structure	Carboxylic acid	Acid chloride	Ethyl ester	Primary amide
Suffix:	-oic acid (IUPAC) -ic acid (common)	-oyl chloride (I) -yl chloride (C)	-oate (I) -ate (C)	-amide
				
				
				
				
				
				
				
				
				
				