

Table referenced as " [Watson] Fuller['s] H[ydrogen] bond lengths"

Contributors

Fuller, Watson, 1935-

Publication/Creation

April 1963

Persistent URL

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ACCEPTOR

	H ₂ O	COH	COO ⁻	R C=O	C C=O	COOH	R N	NH ₂	Cl ⁻	Br ⁻
H ₃ O ⁺	2.53±0.04 (2.68) ₂								2.95 (2.99) ₁	
COOH	2.56±0.06 (2.68) ₂					2.56±0.03 (2.63) ₆				
COH		2.72±0.03 (2.78) ₇	2.74±0.03 (2.73) ₅							
R NH	2.77±0.07 (3.03) ₃			2.83±0.03 (2.95) ₁₁		2.88±0.02 (2.98) ₂	2.87±0.03 (3.04) ₃		3.08±0.03 (3.34) ₂	
C NH					2.89±0.06 (2.95) ₇	2.96±0.07 (2.98) ₃				
H ₂ O	2.78±0.07 (2.78) ₁₀		2.80±0.06 (2.73) ₈	2.83±0.04 (2.70) ₆		2.86±0.03 (2.63) ₄			3.19±0.05 (3.09) ₅	
NH ₃ ⁺	2.80±0.08 (2.89) ₅		2.85±0.05 (2.84) ₃₁				2.89±0.01 (2.92) ₃		3.19±0.03 (3.20) ₈	3.36±0.04 (3.39) ₇
NH ₂				2.81±0.02 (2.95) ₂	2.94±0.05 (2.95) ₁₆		3.06±0.06 (3.06) ₄	3.18±0.05 (3.14) ₅	3.23±0.05 (3.24) ₅	
NH ₃	3.25±0.03 (3.03) ₃									

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