The effects of C by N replacement on the hydrogen bonding of malonaldehyde: *N*-formylformimidic acid, *N*-(hydroxymethyl)formamide and related compounds.

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Supporting Information (A total of 2 pages)

Table **S1.** Calculated proton affinities (PA, kJ mol^{-1}) and gas phase acidities (**$\Delta_{acid}H^0$**, kJ mol^{-1}) of the compounds included in Scheme 5.

Compound	PA	$\Delta_{acid}H^0$
Acrylaldehyde	804	
N-methyleneformamide	825	
(Z)-prop-1-en-1-ol		1481
(Z)-N-Methylformimidic acid		1436