

## SUPPLEMENTARY MATERIALS

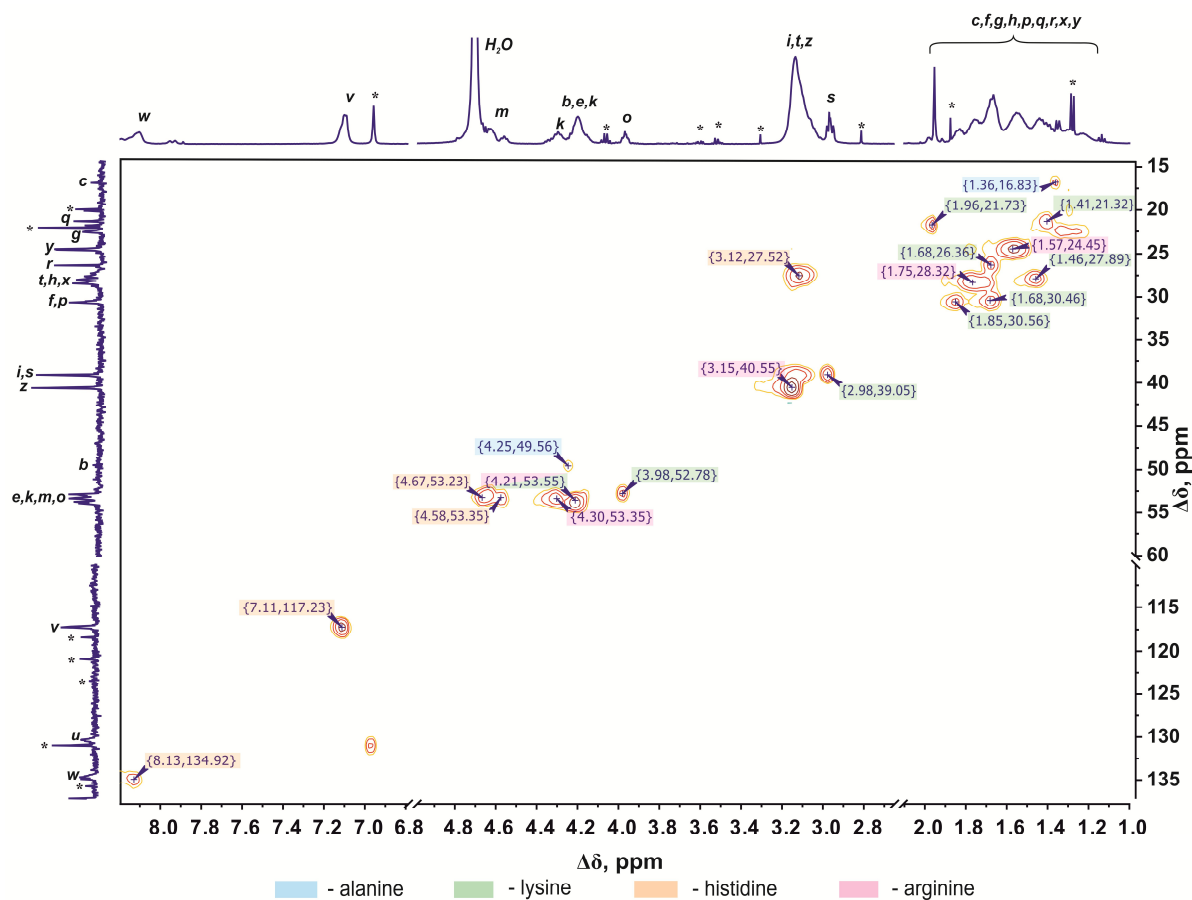
### NMR studies of peptide dendrimers with Histidine-Arginine (Lys-His-Arg) and Arginine-Histidine (Lys-Arg-His) Spacers

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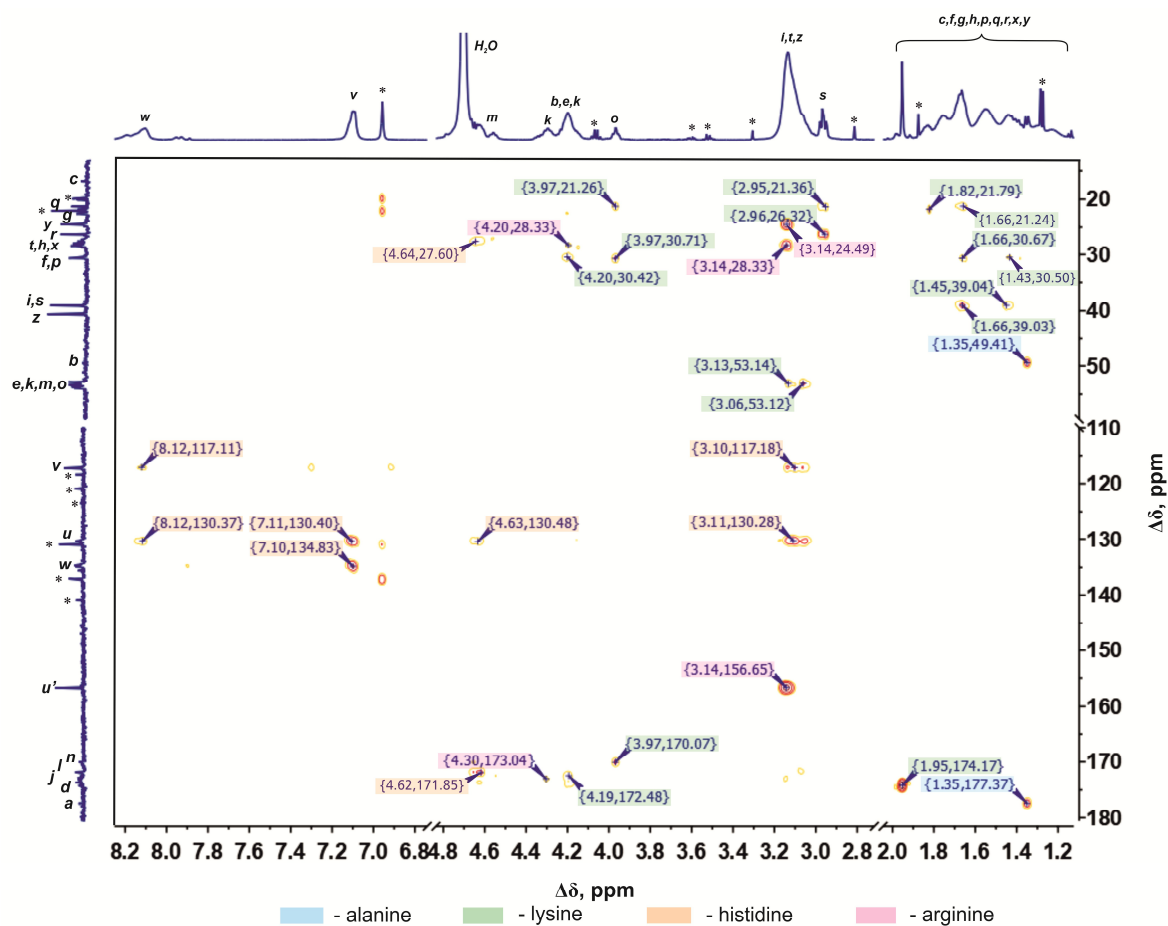
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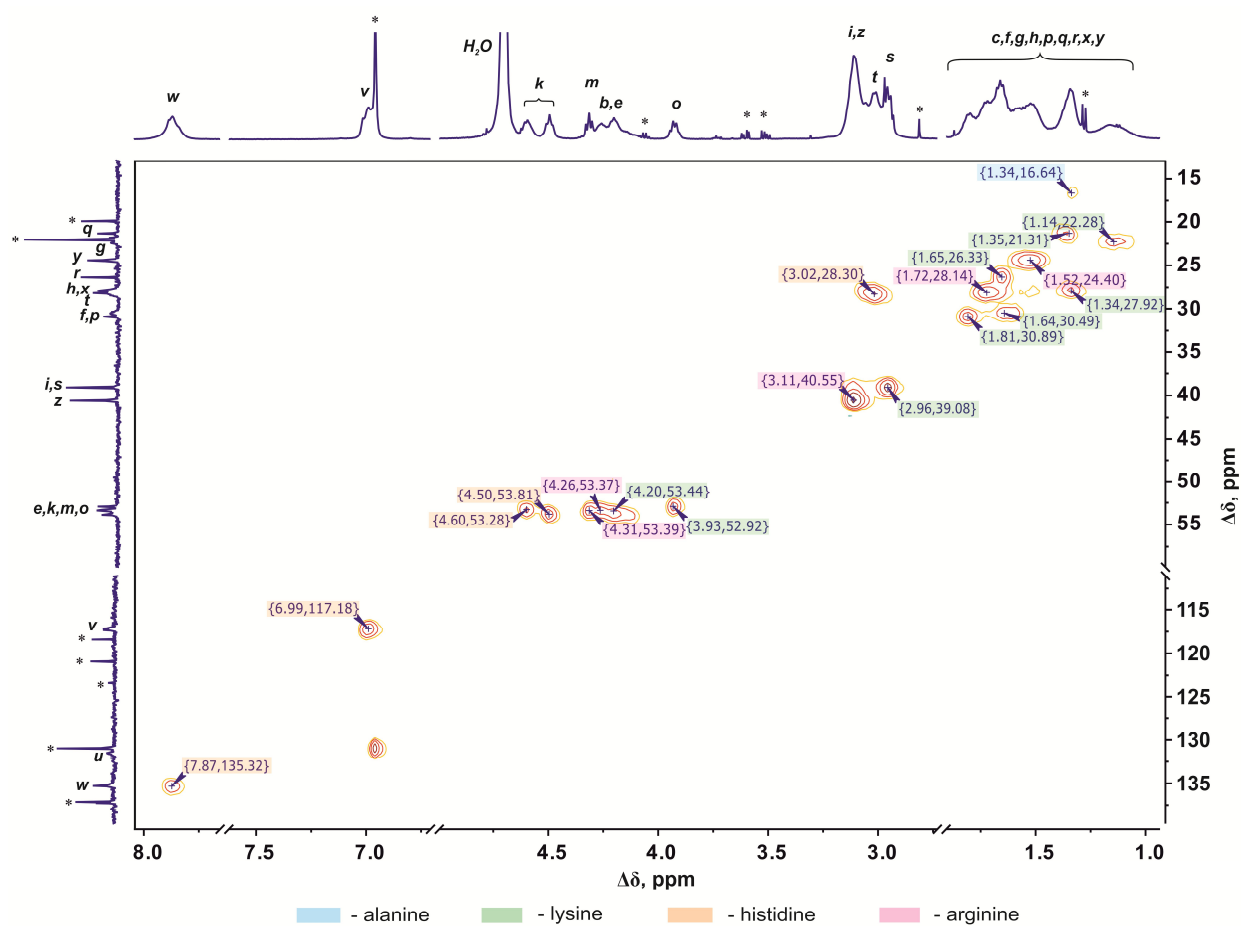
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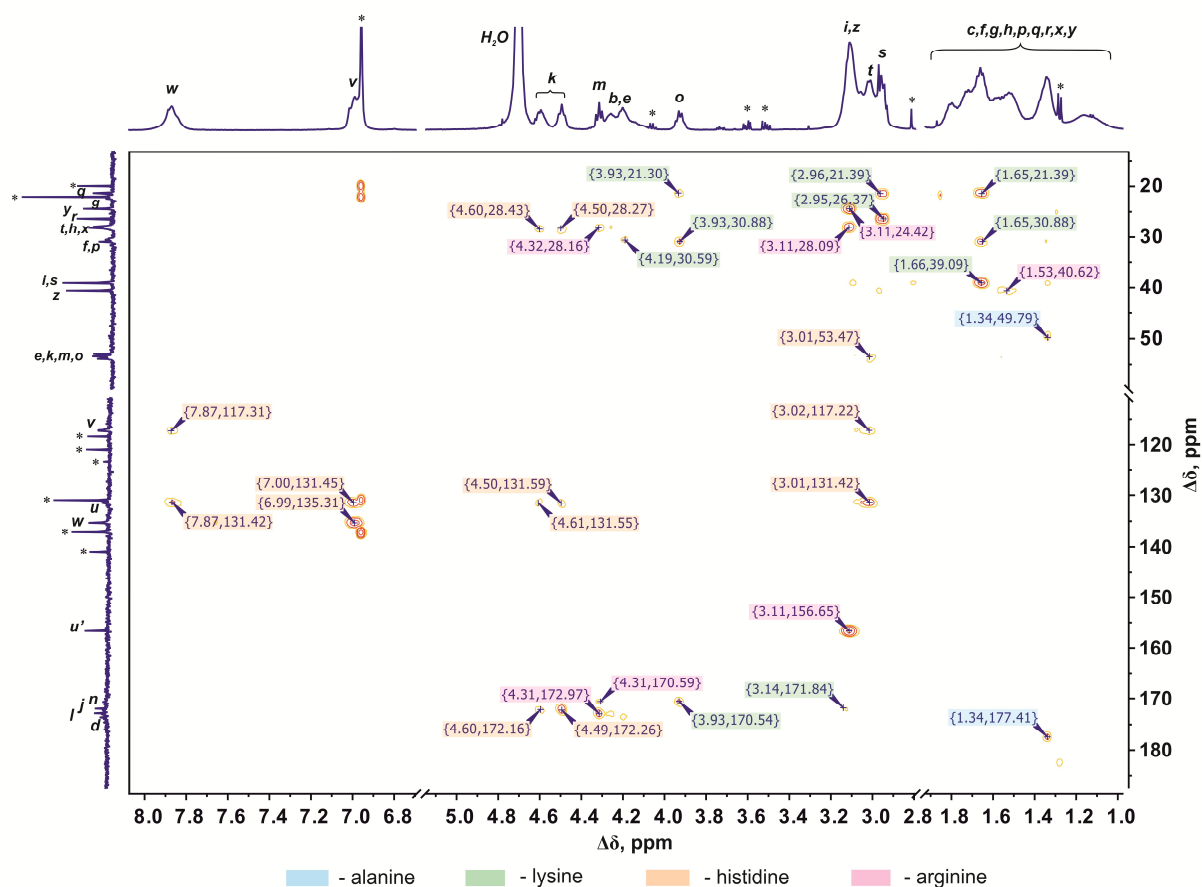
**Figure S1.**  $^1\text{H}$ - $^{13}\text{C}$  HSQC NMR spectrum of the Lys-Arg-His dendrimer at 298 K. The peaks from small molecular weight impurities are marked by\*.



**Figure S2.**  $^1\text{H}$ - $^{13}\text{C}$  HMBC NMR spectrum of the Lys-Arg-His dendrimer at 298 K. The peaks from small molecular weight impurities are marked by\*.



**Figure S3.**  $^1\text{H}$ - $^{13}\text{C}$  HSQC NMR spectrum of the Lys-His-Arg dendrimer at 298 K. The peaks from small molecular weight impurities are marked by\*.



**Figure S4.**  $^1\text{H}$ - $^{13}\text{C}$  HMBC NMR spectrum of the Lys-His-Arg dendrimer at 298 K. The peaks from small molecular weight impurities are marked by\*.