



1 Review

## 2 Post-Translational Modifications of Cytochrome *c* in 3 Cell Life and Disease

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10 Received: date; Accepted: date; Published: date

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### 12 Supplementary Materials

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Table S1. Non-canonical amino acid

| Modified residues | Unnatural amino acid mimic  | reference |
|-------------------|---|-----------|
|                   | 4'-carboxymethoxy-3'-phosphonophenylalanine   | [1]       |
|                   | N-[4-(2-{2-[3-(2-Bromo-acetyl-amino)-propionyl-amino]-3-hydroxy-propionyl-amino}-ethyl)-phenyl]-oxalamic acid         | [2]       |
|                   | 3-(4-{2-[2-(2-bromo-acetyl-amino)-ethyl-disulfanyl]-ethyl-carbamoyl}-cyclohexyl-carbamoyl)-pyrazine-2-carboxylic acid | [2]       |
| Phosphotyrosine   | Photocaged phosphotyrosine  | [3]       |
|                   | Sulfotyrosine   | [4]       |
|                   | <i>p</i> -carboxymethyl-L-phenylalanine   | [5]       |
|                   | <i>p</i> -(phosphonoamino)-phenylalanine  | [6]       |
|                   | O-phosphotyrosine   | [7]       |
|                   | Benzyl 2-benzyloxycarbonylamino-3-[4-bis(dimethylamino)phosphoryloxyphenyl] propanoate                                | [8]       |
|                   | 4-phosphomethyl-L-phenylalanine   | [9]       |
|                   | <i>p</i> -azido-L-phenylalanine   | [10]      |
| Phosphothreonine  | Photocaged phosphothreonine   | [3]       |
|                   | O-phospho-L-threonine   | [11]      |
| Phosphoserine     | Photocaged phosphoserine  | [3]       |
|                   | Phosphonomethylene alanine  | [12]      |
| Nitrotyrosine     | 3-nitrotyrosine   | [13]      |
| Acetyl-lysine     | <i>N</i> <sup>ε</sup> -acetyl-lysine  | [14]      |
|                   | Trifluoroacetyl-lysine  | [15]      |
|                   | 2-amino-8-oxononanoic   | [16]      |

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