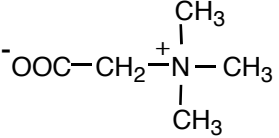
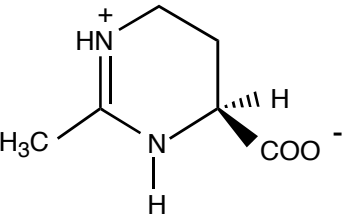
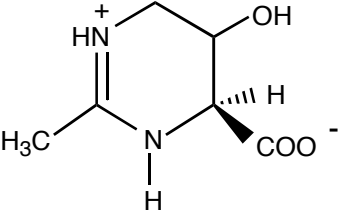
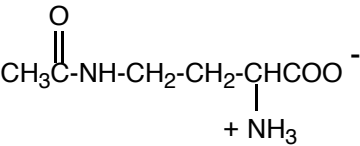
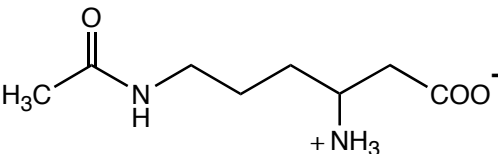
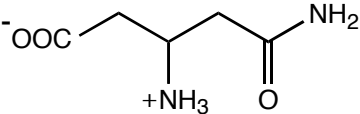


Zwitterionic solutes:	Occurrence:
betaine 	<u>Halotolerant</u> : <i>Thioalkalivibrio versutus</i> ; <i>Actinopolyspora</i> sp. <u>Halophilic</u> : <i>Actinopolyspora halophila</i> ; <i>Halorhodospira halochloris</i> <i>Methanohalophilus portulcalensis</i> FDF1; <i>Methanosarcina thermophila</i> ; <i>Synechococcus</i> sp. DUN 52
ectoine 	<u>Halotolerant</u> : <i>Sporosarcina pasteurii</i> .; <i>Brevibacterium epidermidis</i> ; <i>Thioalkalimicrobium aerophilum</i> ; <i>Vibrio cholerae</i> and <i>V. costociola</i> <u>Halophilic</u> : <i>Chromohalobacter israelensis</i> ; <i>Chromohalobacter salexigens</i> ; <i>Halorhodospira halochloris</i> ; <i>Halomonas elongata</i> , <i>H. variabilis</i> and phylogenetically related organisms; <i>Methylococcus marina</i> and <i>M. terricola</i> ; <i>Methylophaga alcalica</i> and <i>Methylophaga natronica</i> ; aerobic, halophilic isolates from Mono Lake
hydroxyectoine 	<u>Halophilic</u> : <i>Halomonas elongata</i> ; <i>Nocardiopsis halophila</i>
N-ε-acetyldiaminobutyrate 	<u>Halotolerant</u> : <i>Halomonas elongata</i> CHR63
N-ε-acetyl-ε-lysine 	<u>Halotolerant</u> : <i>Methanosarcina thermophila</i> ; <i>Methanothermococcus thermolithotrophicus</i> ; <i>Methanosarcina mazei</i> Gö1 <u>Halophilic</u> : <i>Methanohalophilus portulcalensis</i> FDF1; <i>Methanohalophilus</i> Z7302
γ-glutamine 	<u>Halophilic</u> : <i>Methanohalophilus portulcalensis</i> FDF1