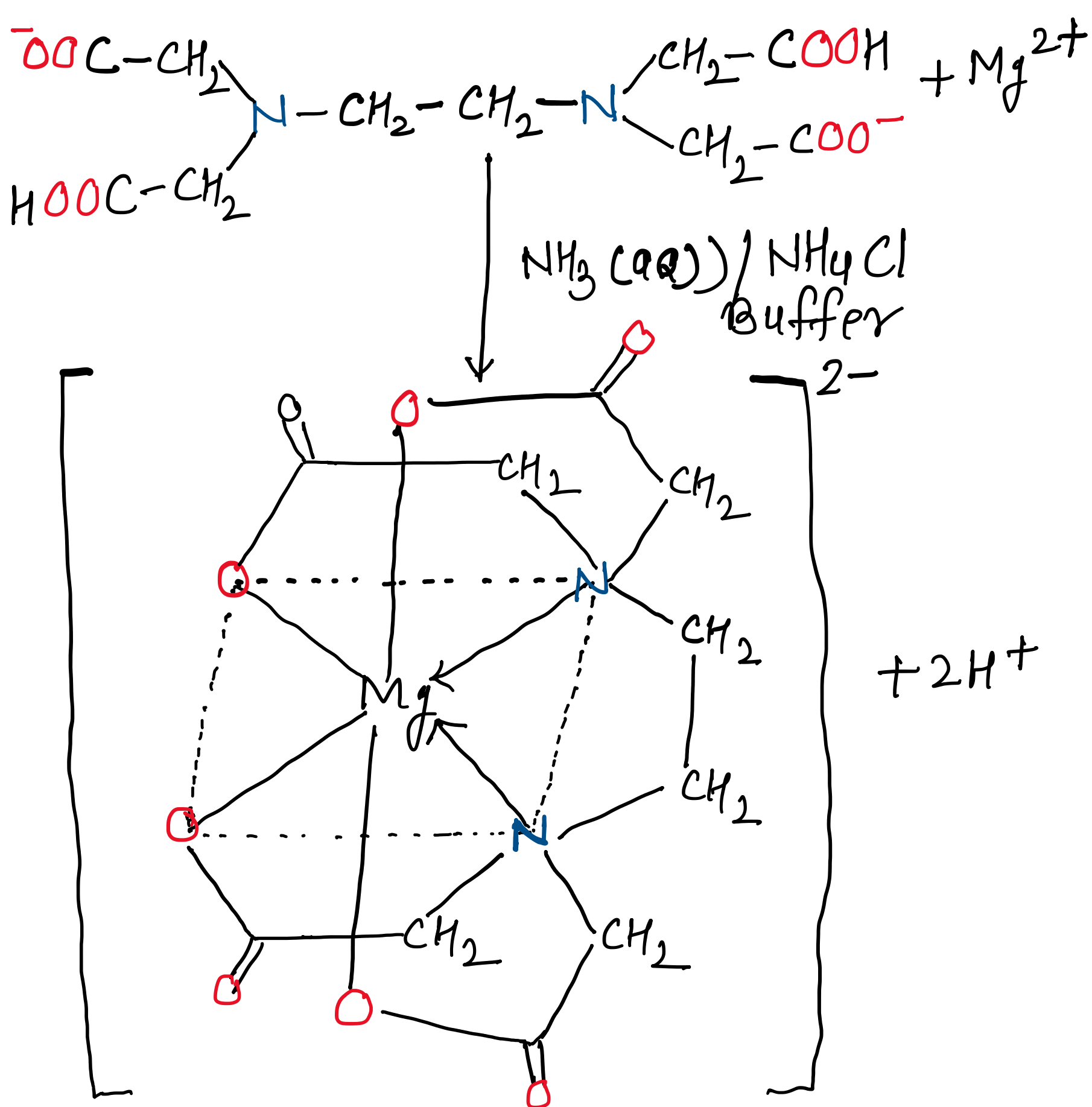


Friday, 2 October 2020 8:59 PM

$$\begin{array}{c} \text{HOOC}-\text{CH}_2 \\ | \\ \text{N}-\text{CH}_2-\text{CH}_2-\text{N} \\ | \qquad \qquad \qquad | \\ \text{HOOC}-\text{CH}_2 \quad \text{CH}_2-\text{COOH} \\ \qquad \qquad \qquad | \\ \qquad \qquad \qquad \text{CH}_2-\text{COOH} \end{array}$$

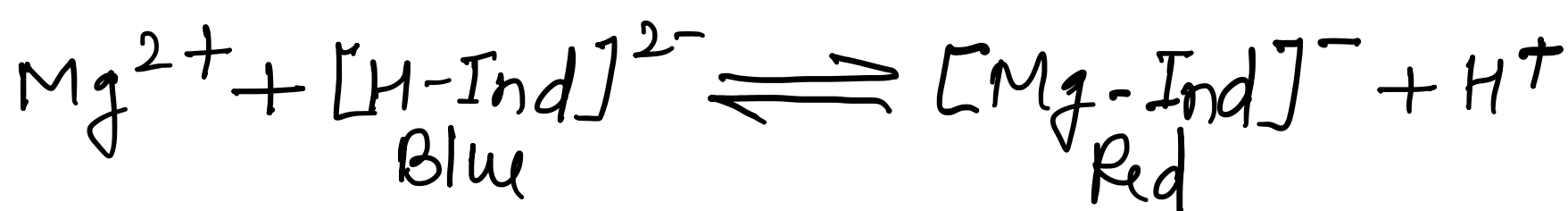
EDTA



[O-]S(=O)(=O)c1ccc(cc1)-c2cc(ccc2)/N=N/c3cc(O)ccc4ccccc34

$\text{H}_2\text{In}^-$  - Red  
 $\text{HIn}^{2-}$  - Blue  
 $\text{In}^{3-}$  - Orange

Mechanism:  
Step 1: At  $p^H$  10 in the presence of Buffer solution ( $NH_3/NH_4Cl$ )



Step II:

