

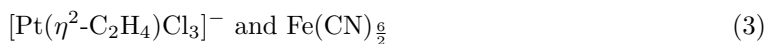
L^AT_EX Chemistry Package CheatSheet

Eureka

December 2, 2023

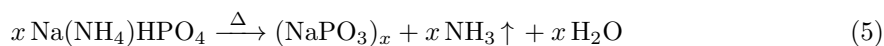
➡ Basic usage

```
1 % \usepackage[version=4]{mhchem}
2 \ce{CO2 + C -> 2CO}
3 \ce{Hg^2+ ->[I-] HgI ->[I-] [Hg^{II}I4]^{2-}}
4 \ce{[Pt(\eta^2-C2H4)Cl3]-}
5 \ce{Fe(CN)_{\frac{6}{2}}}$
6 \ce{RNO2 <=>[+e] RNO2^{-.}}
```



➡ Parenthesis, Brackets, Braces

```
1 $\ce{x Na(NH4)HPO4 ->[\Delta] (NaPO3)_x + x NH3 ^ + x H2O}$
```



➡ Bonds

```
1 % default case
2 \ce{C6H5-CHO}
3 \ce{A-B=C#D}
4 % \bond cmd
5 \ce{A\bond{---}B\bond{~}C\bond{---}D}
6 \ce{A\bond{...}B\bond{...}C}
```



➡ Further Examples

```
1 \ce{Zn^2+}
2 <=>[+ 2OH-][+ 2H+]
3 $\underset{\text{amphoterer Hydroxid}}{\ce{Zn(OH)2 v}}$
4 <=>[+ 2OH-][+ 2H+]
5 $\underset{\text{Hydroxozikat}}{\ce{[Zn(OH)4]^{2-}}}$
6 }
7 K = \ce{\frac{[Hg^{2+}][Hg]}{[Hg_2^{2+}]}}
```

