1 Change color

(Use with Metapost only)

\texttt{MC(}
\begin{verbatim}
<30,Ph,\{2,5\}:N,3/:NH2,4/:COOH,
\%
\end{verbatim}
\texttt{)}

2 Change font

(Use with Metapost only)

\texttt{MC(}
\begin{verbatim}
<30,Ph,\{2,5\}:N,3/:NH2,4/:COOH
\%
\end{verbatim}
\texttt{)}

3 MCF example

\textbf{FM(C)}: molecular formula calculated by mcf2graph
\textbf{MW(C)}: molecular weight calculated by mcf2graph
\textbf{MW(D)}: molecular weight from literature data

3.1 Chlorophyll a

\texttt{beginfont("NO:1", "EN:Chlorophyll a", "MW:893.49",}
\texttt{\%
\end{verbatim}
\texttt{)}

\texttt{\%
\end{verbatim}
\texttt{fsize:=(100mm,50mm);}
\texttt{if check\_mc(mc)=0: MC(scantokens(mc)) fi}
\texttt{endfont}

\textbf{FM(C)}: C55H72MgN4O5
\textbf{MW(C)}: 893.4889
\textbf{MW(D)}: 893.49
3.2 Gibberellin A3

\begin{verbatim}
\textbf{FM(C)}: C19H22O6
\textbf{MW(C)}: 346.3743
\textbf{MW(D)}: 346.37
\end{verbatim}

3.3 Erythromycin

\begin{verbatim}
\textbf{FM(C)}: C37H67NO13
\textbf{MW(C)}: 733.9267
\textbf{MW(D)}: 733.93
\end{verbatim}

3.4 Paclitaxel

\begin{verbatim}
\textbf{FM(C)}: C47H51NO14
\textbf{MW(C)}: 853.9061
\textbf{MW(D)}: 853.918
\end{verbatim}
3.5 Vancomycin

\begin{align*}
\text{FM(C): } & C_{66}H_{75}Cl_2N_9O_{24} \\
\text{MW(C): } & 1449.253 \\
\text{MW(D): } & 1449.25
\end{align*}

3.6 Maitotoxin

\begin{align*}
\text{FM(C): } & C_{164}H_{256}Na_2O_{68}S_2 \\
\text{MW(C): } & 3425.856 \\
\text{MW(D): } & 3425.86
\end{align*}
3.7 TCA cycle

\begin{center}
\includegraphics[width=\textwidth]{tca_cycle.png}
\end{center}

\textbf{TCA-cycle}

beginfont(“EN:TCA cycle”)
fsi:=(160mm,75mm);
max_blength:=5mm;
COOH:=’(/,0,1,OH);
HOCO:=’(OH,/,0,1,OH); 
MCat(0.33, 1)(<30,HOCO,!,/0,1,COOH)
MCat(0.66, 1)(<30,HOCO,!,COOH,0’,1,\,COOH,4:/OH~165)
MCat(1, 1)(<30,HOCO,!,COOH,0’,1,\,COOH)
MCat(1, 0.55)(<30,HOCO,!,COOH,0’,1,\,COOH)
MCat(1, 0.05)(<30,HOCO,!,/0,1,COOH)
MCat(0.66, 0.05)(<30,HOCO,!,/0,1,COOH)
MCat(0.33, 0.05)(<30,HOCO,!,/0,1,COOH)
MCat(0, 0.05)(<30,HOCO,!,/0,1,COOH)
MCat(0, 0.55)(<30,HOCO,!,/0,1,COOH)
MCat(0, 1)(<30,HOCO,!,/0,1,COOH)
sw_label_emu:=1;
endfont