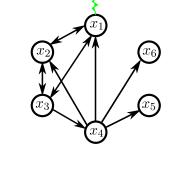
$$\dot{\boldsymbol{x}} = \begin{pmatrix}
k_t B_{max} - k_t x_1 - k_{on} x_1 x_2 + k_{off} x_3 + k_{ex} x_4 \\
-k_{on} x_1 x_2 + k_{off} x_3 + k_{ex} x_4 \\
k_{on} x_1 x_2 - k_{off} x_3 - k_e x_3 \\
k_e x_3 - k_{ex} x_4 - k_{di} x_4 - k_{de} x_4
\end{pmatrix} \xrightarrow{\text{Epo-EpoR}} \xrightarrow{\text{Epo-EpoR}}_i$$

$$\begin{aligned}
\mathbf{y} = \begin{pmatrix}
\kappa_1 (x_2 + 2x_6) \\
\kappa_2 (x_3) \\
\kappa_3 (x_4 + x_5)
\end{pmatrix} \xrightarrow{\text{Epo-EpoR}}_i \xrightarrow{\text{Epo-EpoR}}_i$$

$$\begin{aligned}
\mathbf{y} = \begin{pmatrix}
\kappa_1 (x_2 + 2x_6) \\
\kappa_2 (x_3) \\
\kappa_3 (x_4 + x_5)
\end{pmatrix} \xrightarrow{\text{Epo-EpoR}}_i + \text{dEpo}_i$$



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