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graph TD
    Input(( )) -- K_in --> BM[Bone Marrow]
    BM -.- E_drug
    BM -- K_tr --> C[Circulation]
    C -- K_out --> Output(( ))
  
```

The diagram illustrates the drug lifecycle as a sequence of three stages: Proliferation, Maturation, and Circulation. The Proliferation stage receives an input  $K_{in}$  and outputs  $E_{drug}$ . The stages are connected by arrows, and their durations are labeled  $T_P$ ,  $T_M$ , and  $T_R$  respectively.

The figure illustrates three models of the cell cycle, each represented by a flowchart with rectangular boxes and arrows. The top model shows a linear progression from 'Prol' to 'T1' to 'Circ'. The middle model shows a linear progression from 'Stem' to 'Prol' to 'T1' to 'Circ'. The bottom model shows a linear progression from 'Prol' to 'T1' to 'Circ', with a feedback loop from 'Circ' back to 'Prol'. The label 'Edrug' is positioned to the left of the middle model, indicating its effect on the Stem cell.