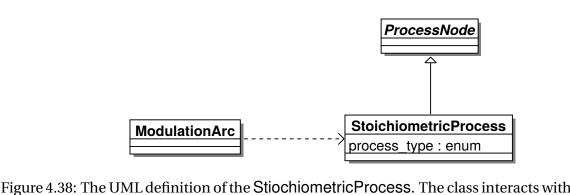


Figure 4.37: The Process Description glyph for *equivalence*. Only two inputs are representations would be allowed.



of FluxArc and ModulationArc.

4.5.27 StoichiometricProcess

A stoichiometric process¹⁷ produces a measurable change in the quantities of entity sumed and produced. This might imply modification of covalent bonds (conversion) tion of the relative position of constituents (conformational process) or movement from partment to another (translocation). Such a process will have a basal rate at which the

as the "left-hand-side" (LHS) and "right-hand-side" (RHS) of the process¹⁸ (figure 4.39)

occurs, which can be affected positively or negatively by the other entity pools, wh late' the process. Examples of this include stimulation, inhibition and catalysis. In an process the entity pools interacting with it can be grouped into inputs and outputs. stoichiometric process can also be reversible and so for convenience we refer to these

Figure 4.39: An illustration of the "sidedness" of a process. The designation of LHS essentially arbitrary.

In the Process Description language this is represented by the StoichiometricProcess. It can be one of several different types, which indicate the amount that is known