



R1: $1.00\text{IC}_8\text{H}_{17} \Rightarrow 1.00\text{CH}_3 + 0.250\text{IC}_4\text{H}_8 + 0.750\text{IC}_8\text{H}_{16}$
R2: $1.00\text{H} + 1.00\text{IC}_8\text{H}_{16} \Rightarrow 1.00\text{H}_2 + 0.500\text{C}_3\text{H}_4\text{-A} + 0.500\text{IC}_4\text{H}_8 + 0.500\text{IC}_4\text{H}_7 + 0.500\text{NEOC}_5\text{H}_{11}$