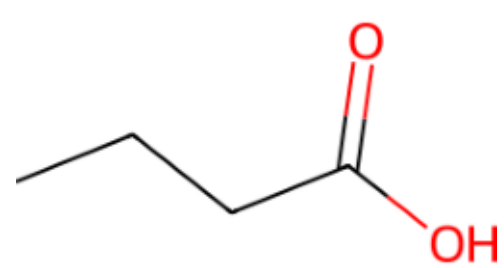
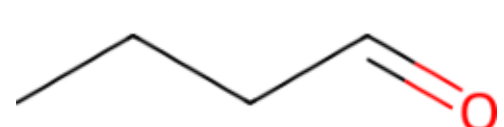


Rank 1
Atomic Economy 100.0%
Pathway by-product 0

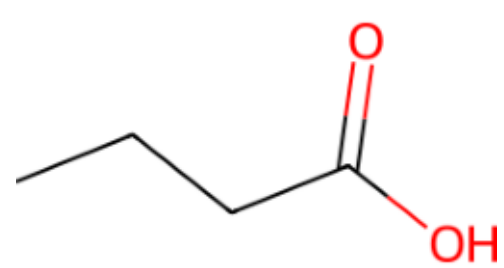


+HYDROGEN-PEROXIDE -WATER -O2

rule0147_2

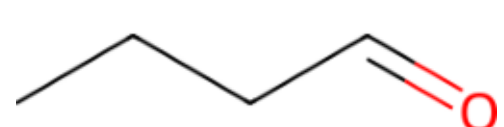


Rank 2
Atomic Economy 100.0%
Pathway by-product 0

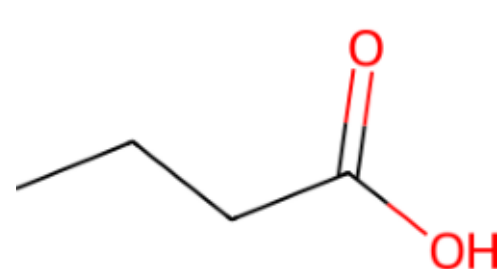


+NADP +WATER -NADPH -O2

rule0005_60

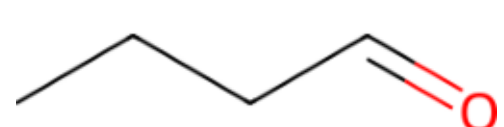


Rank 3
Atomic Economy 100.0%
Pathway by-product 0

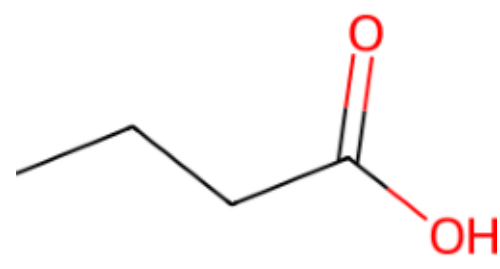


+NADPH -NADP -WATER

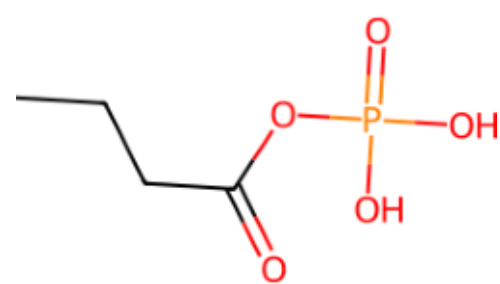
rule0025_34



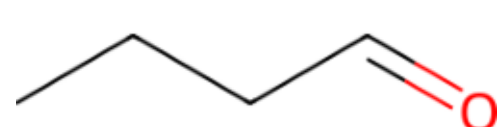
Rank 4
Atomic Economy 100.0%
Pathway by-product 0



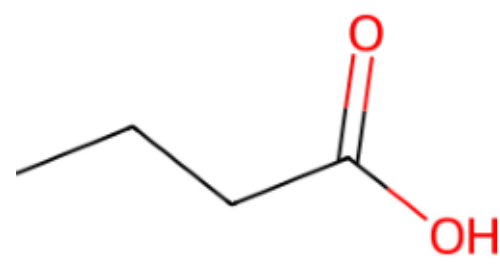
+PI -WATER
rule0017_40



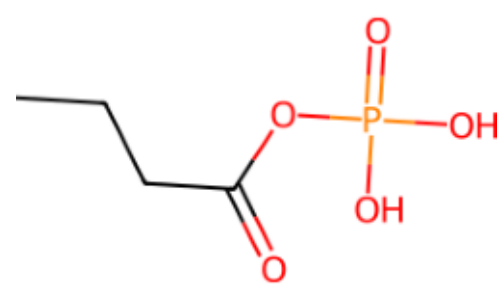
+NADPH -NADP -PI
rule0268_2



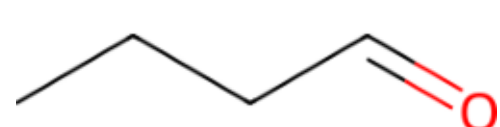
Rank 5
Atomic Economy 100.0%
Pathway by-product 0



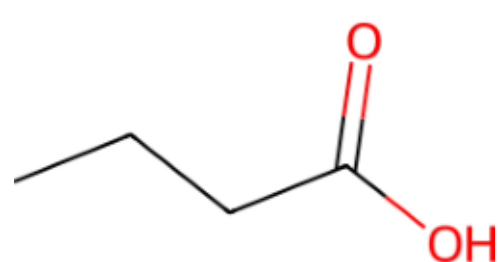
+ATP -ADP
rule0015_28



+NADPH -NADP -PI
rule0268_2

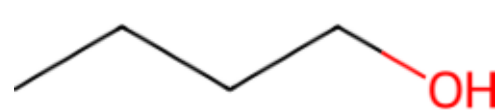


Rank 6
Atomic Economy 100.0%
Pathway by-product 0



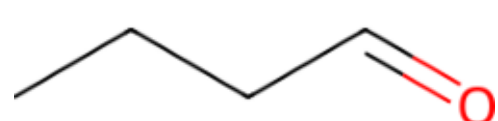
+NADPH +NADPH -NADP -NADP -WATER

rule0164_2

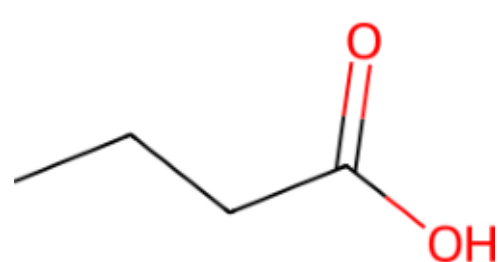


+O2 -HYDROGEN-PEROXIDE

rule0074_15

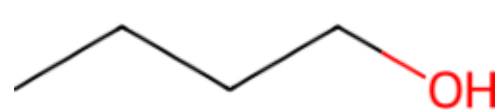


Rank 7
Atomic Economy 100.0%
Pathway by-product 0



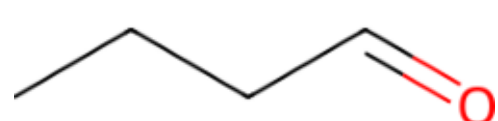
+NADPH +NADPH -NADP -NADP -WATER

rule0164_2

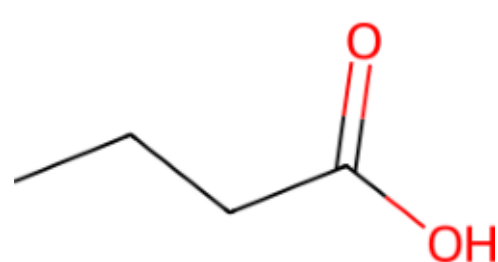


+NADP -NADPH

rule0002_140



Rank 8
Atomic Economy 100.0%
Pathway by-product 0



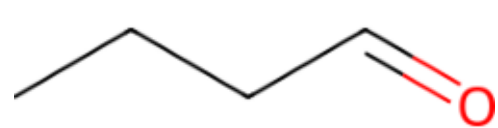
+O2 -WATER -CARBON-DIOXIDE

rule0352_2

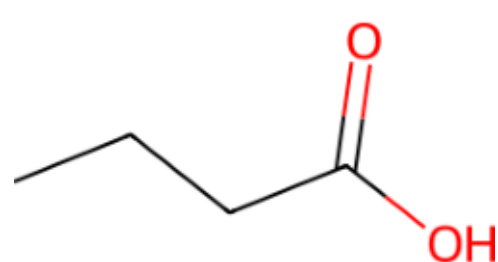


+S-ADENOSYLMETHIONINE -ADENOSYL-HOMO-CYS

rule0043_12

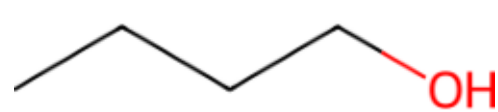


Rank 9
Atomic Economy 100.0%
Pathway by-product 0



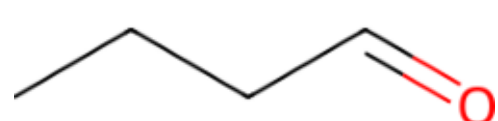
+NADPH +NADPH -NADP -NADP -WATER

rule0164_2

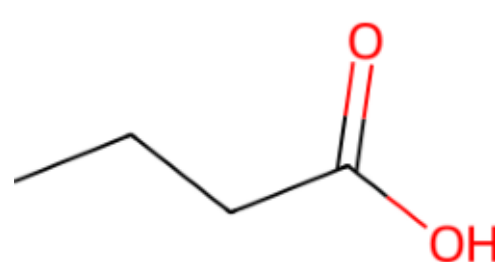


+ETR-Quinones -ETR-Quinols

rule0467_8



Rank 10
Atomic Economy 62.1%
Pathway by-product 0



+O2 -WATER -CARBON-DIOXIDE

rule0352_2



rule0126_2

