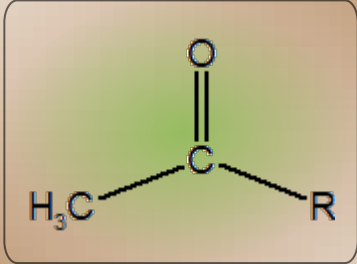



~~≠~~ AC

Acetyl

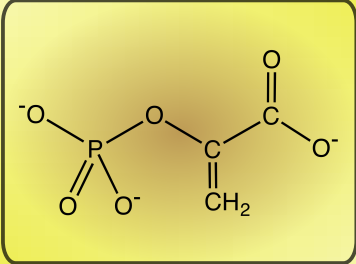


Acetyl


~~≠~~ AC


 PEP

Phosphoenolpyruvate

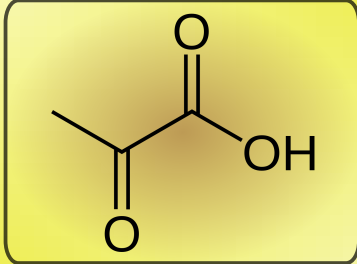


Phosphoenolpyruvate


~~≠~~ PEP 

 PYR

Pyruvate

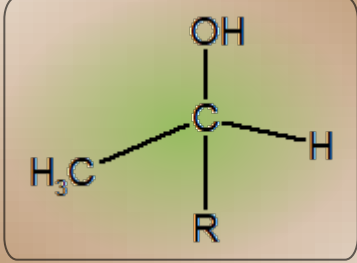


Pyruvate

~~≠~~ PYR 

~~≠~~ HET

Hydroxyethyl

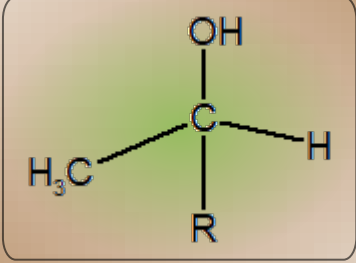


Hydroxyethyl

~~≠~~ HET

~~≠~~ HET

Hydroxyethyl

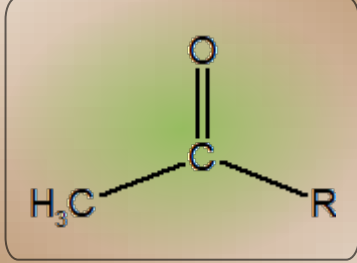


Hydroxyethyl

~~≠~~ HET


~~≠~~ AC

Acetyl

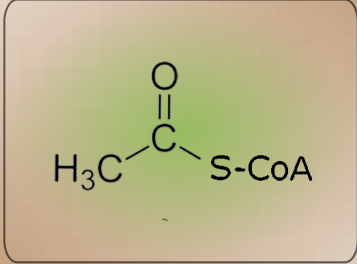


Acetyl

~~≠~~ AC


~~≠~~ ACOA 

Acetyl Coenzyme A

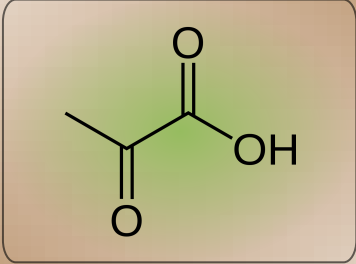


Acetyl Coenzyme A

~~≠~~ ACOA


~~≠~~ PYR 

Pyruvate

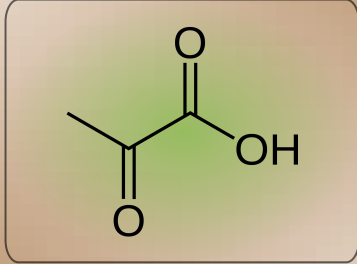


Pyruvate

~~≠~~ PYR

~~≠~~ PYR 

Pyruvate



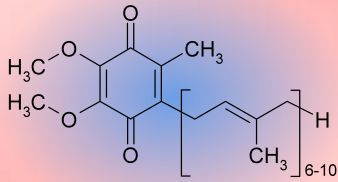
Pyruvate

~~≠~~ PYR



UBI

Ubiquinone



Ubiquinone

UBI

E!nergizing



E!nergizing

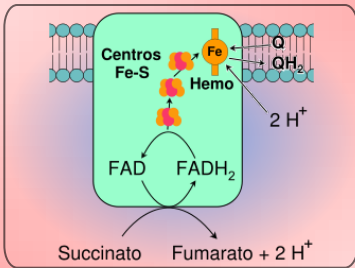
E!nergizing



E!nergizing

CII

Succinate dehydrogenase

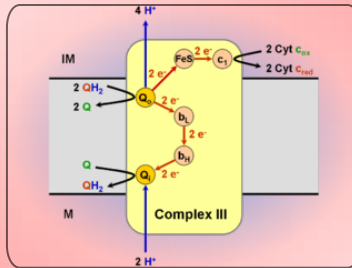


Succinate dehydrogenase

CII

CIII

Cytochrome bc<sub>1</sub>

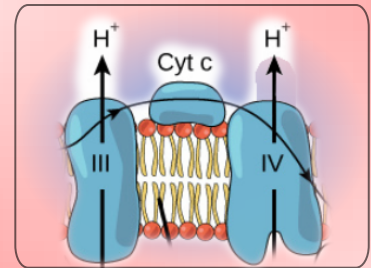


Cytochrome bc<sub>1</sub>

CIII

CITO

Cytochrome

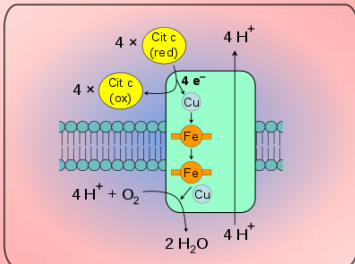


Cytochrome

CITO

CIV

Cytochrome C oxidase

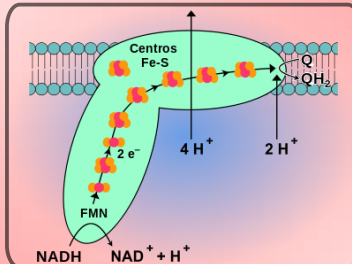


Cytochrome C oxidase

CIV

CI

NADH dehydrogenase

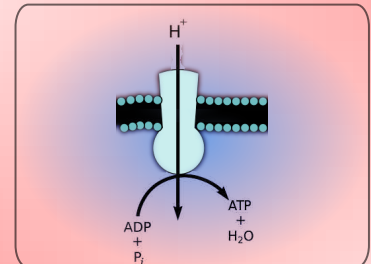


NADH dehydrogenase

CI

CV

ATP Synthase



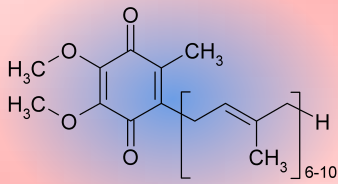
ATP Synthase

CV



UBI

Ubiquinone



Ubiquinone

UBI

E!nergizing

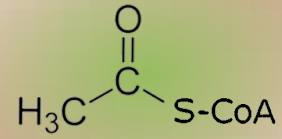


E!nergizing

ACO A



Acetyl Coenzyme A

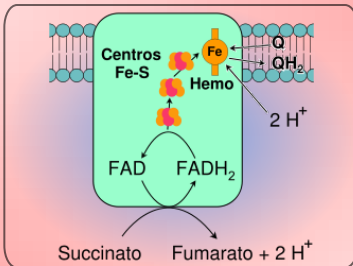


Acetyl Coenzyme A

ACO A

CII

Succinate dehydrogenase

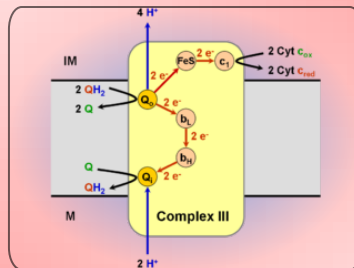


Succinate dehydrogenase

CII

CIII

Cytochrome bc

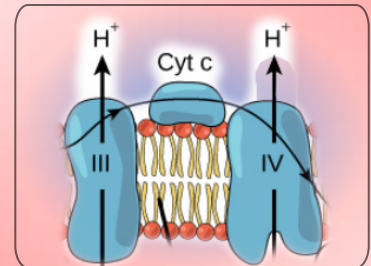


Cytochrome bc

CIII

CYTO

Cytochrome

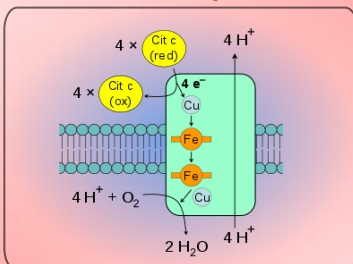


Cytochrome

CYTO

CIV

Cytochrome C oxidase

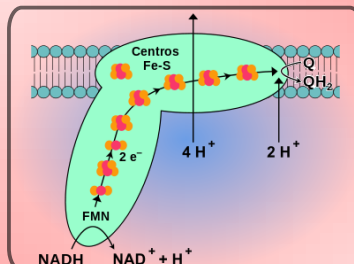


Cytochrome C oxidase

CIV

CI

NADH dehydrogenase

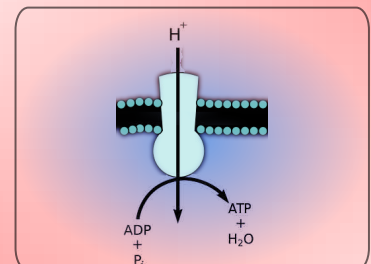


NADH dehydrogenase

CI

CV

ATP Synthase



ATP Synthase

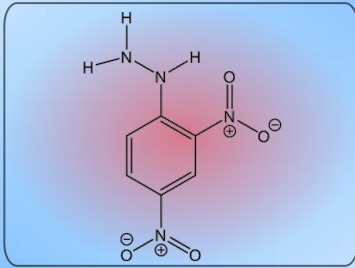
CV



⚡ 2,4 DNP



2,4-Dinitrophenyl  
hydrazine



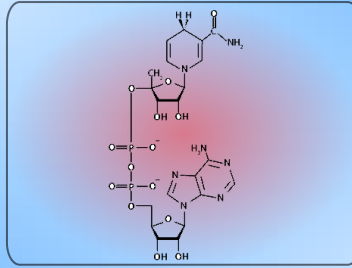
2,4-Dinitrophenyl  
hydrazine

⚡ 2,4 DNP

⚡ NADH



Nicotinamida adenina  
dinucleotideo



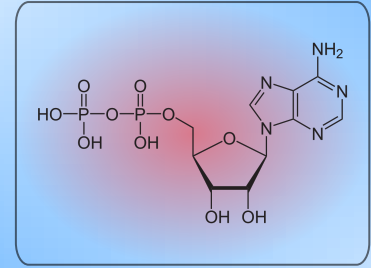
Nicotinamide adenosine  
dinucleotide

⚡ NADH

⚡ ADP



Adenosine diphosphate



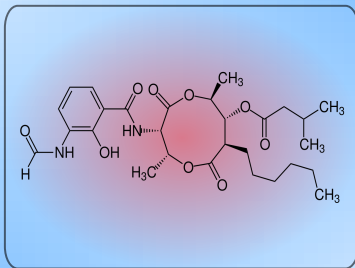
Adenosine diphosphate

⚡ ADP

⚡ AMA



Antimycin A



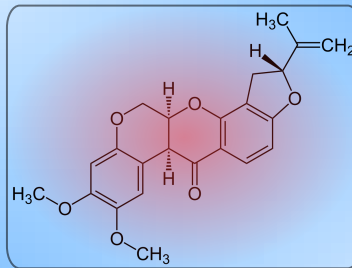
Antimycin A

⚡ AMA

⚡ ROT



Rotenone



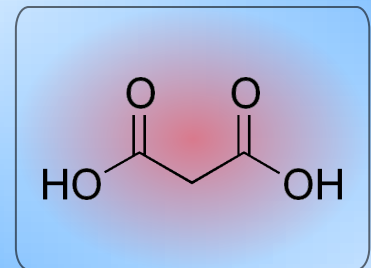
Rotenone

⚡ ROT

⚡ MALO



Malonate



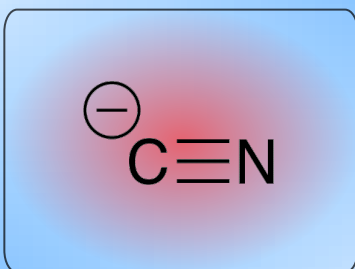
Malonate

⚡ MALO

⚡ CN



Cyanide



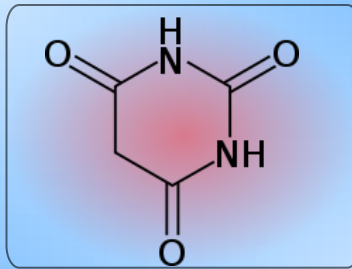
Cyanide

⚡ CN

⚡ BARB



Barbiturate



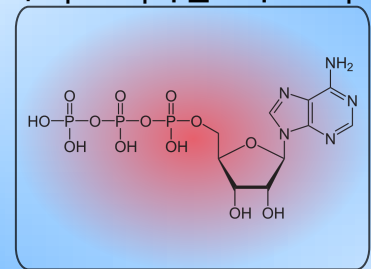
Barbiturate

⚡ BARB

⚡ ATP



Adenosine Triphosphate



Adenosine Triphosphate

⚡ ATP





⚡

NAD

⊖ ⊕

Nicotinamide adenine dinucleotide

Nicotinamide adenine dinucleotide

⚡ NAD

⚡

ADP

⊖ ⊕

Adenosine diphosphate

Adenosine diphosphate

⚡ ADP

⚡

ADP

⊖ ⊕

Adenosine diphosphate

Adenosine diphosphate

⚡ ADP

⚡

ATP

⊖ ⊕

Adenosine Triphosphate

Adenosine Triphosphate

⚡ ATP

⚡

NADH

⊖ ⊕

Nicotinamide adenine dinucleotide + H

Nicotinamide adenine dinucleotide + H

⚡ NADH

E!nergizing

E!nergizing

⚡

ATP

⊖ ⊕

Adenosine Triphosphate

Adenosine Triphosphate

⚡ ATP

⚡

NADH

⊖ ⊕

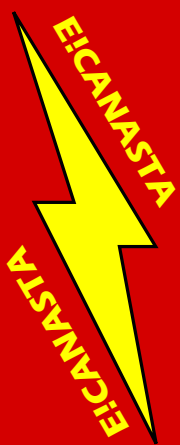
Nicotinamide adenine dinucleotide + H

Nicotinamide adenine dinucleotide + H

⚡ NADH

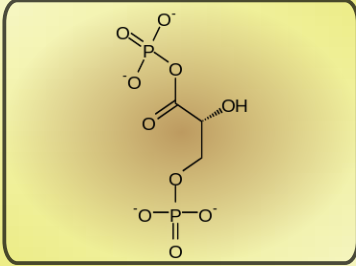
E!nergizing

E!nergizing



13BPG

1,3-Bisphosphoglycerate

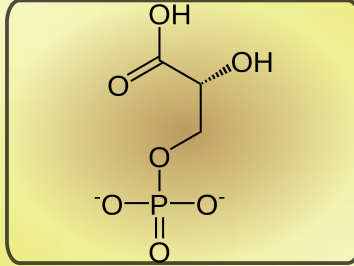


1,3-Bisphosphoglycerate

13BPG

3PG

3-Phosphoglycerate

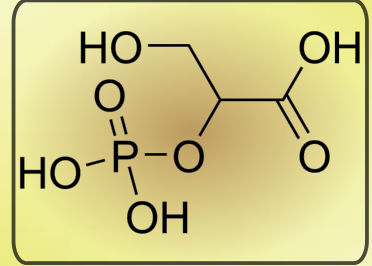


3-Phosphoglycerate

GLC

2PG

2-Phosphoglycerate

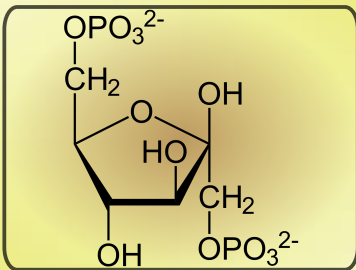


2-Phosphoglycerate

2PG

F16P

Fructose-1,6-bisphosphate

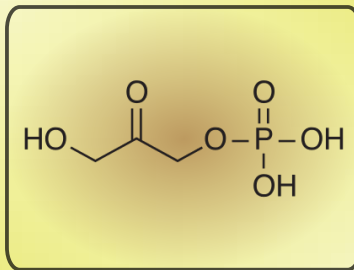


Fructose-1,6-bisphosphate

F16P

DHAP

Dihydroxyacetone-phosphate

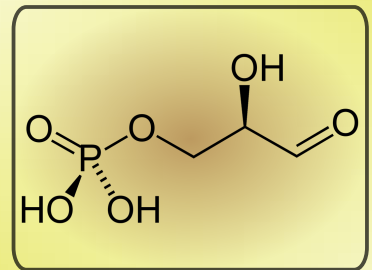


Dihydroxyacetone-phosphate

DHAP

G3P

Glyceraldehyde-3-phosphate

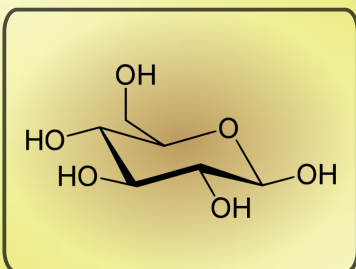


Glyceraldehyde-3-phosphate

G3P

GLC

Glucose

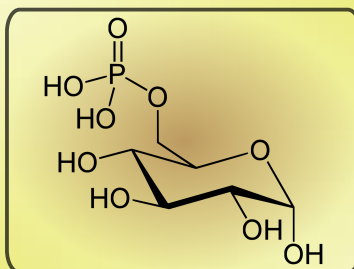


Glucose

GLC

G6P

Glucose-6-phosphate

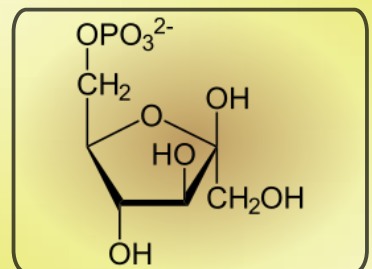


Glucose-6-phosphate

GLC6P

F6P

Fructose-6-phosphate



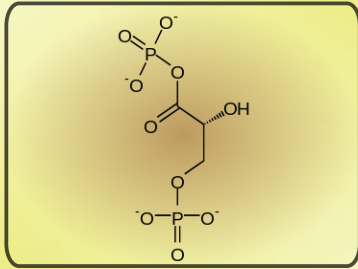
Fructose-6-phosphate

F6P



13BPG

1,3-Bisphosphoglycerate

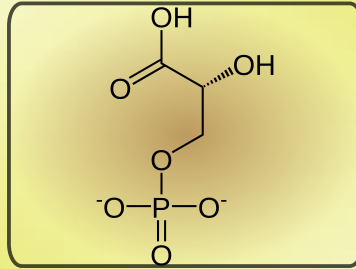


1,3-Bisphosphoglycerate

13BPG

3PG

3-Phosphoglycerate

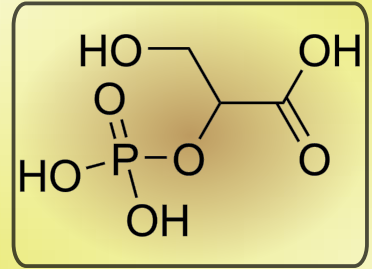


3-Phosphoglycerate

GLC

2PG

2-Phosphoglycerate

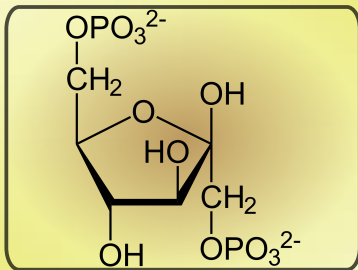


2-Phosphoglycerate

2PG

F16P

Fructose-1,6-bisphosphate

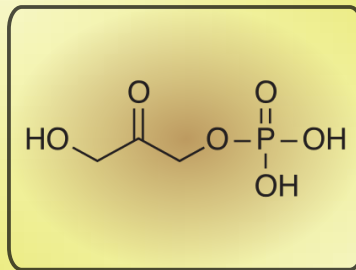


Fructose-1,6-bisphosphate

F16P

DHAP

Dihydroxyacetone-phosphate

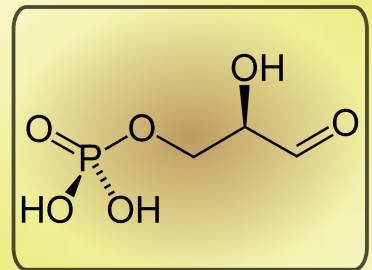


Dihydroxyacetone-phosphate

DHAP

G3P

Glyceraldehyde-3-phosphate

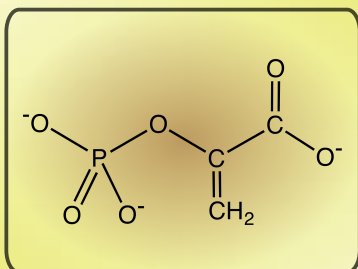


Glyceraldehyde-3-phosphate

G3P

PEP

Phosphoenolpyruvate

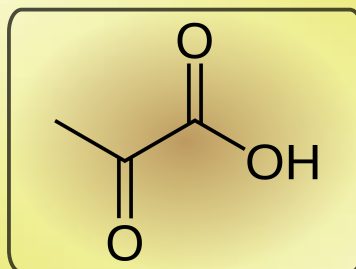


Phosphoenolpyruvate

PEP

PYR

Pyruvate

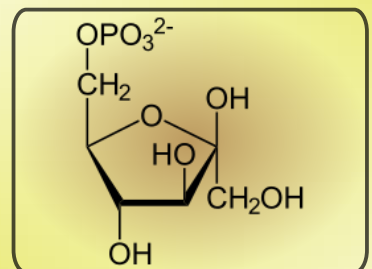


Pyruvate

PYR

F6P

Fructose-6-phosphate



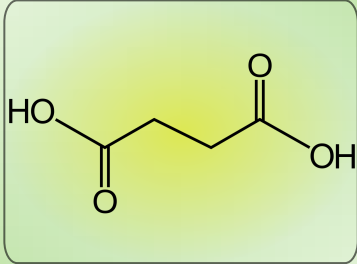
Fructose-6-phosphate

F6P



↻ SUC

Succinate

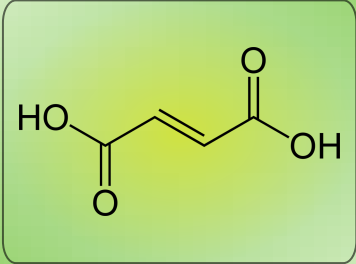


Succinate

↻ SUC

↻ FUM

Fumarate

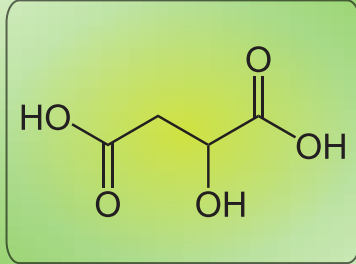


Fumarate

↻ FUM

↻ MAL

Malate

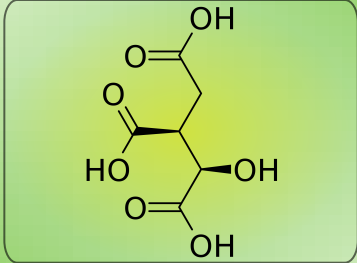


Malate

↻ MAL

↻ IC

Isocitrate

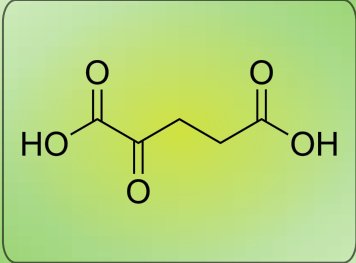


Isocitrate

↻ IC

↻ AKG

Alpha-Ketoglutarate

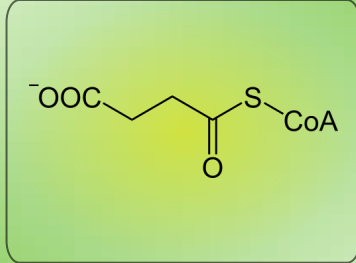


Alpha-Ketoglutarate

↻ AKG

↻ SCoA

Succinyl-CoA

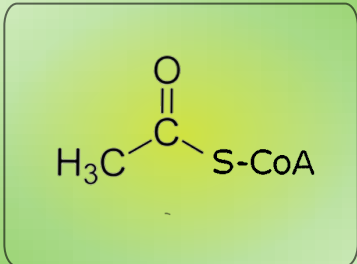


Succinyl-CoA

↻ SCoA

↻ ACoA

Acetyl Coenzyme A

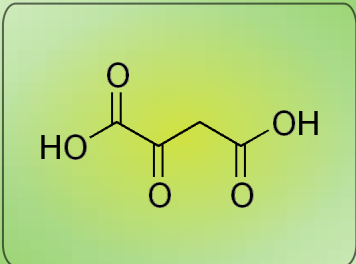


Acetyl Coenzyme A

↻ ACoA

↻ OAA

Oxaloacetate

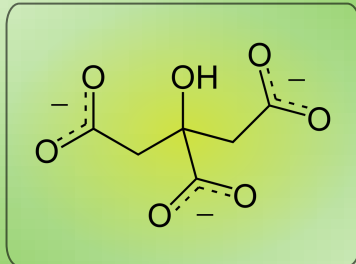


Oxaloacetate

↻ OAA

↻ CITR

Citrate



Citrate

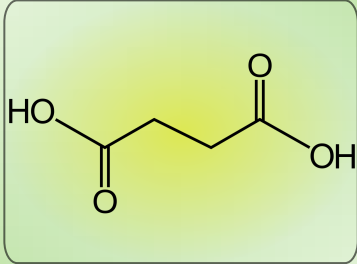
↻ CITR





↻ SUC

Succinate

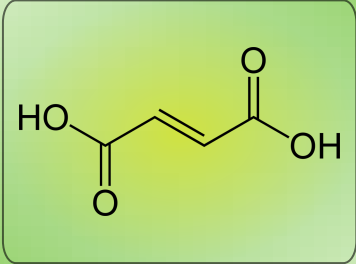


Succinate

↻ SUC

↻ FUM

Fumarate

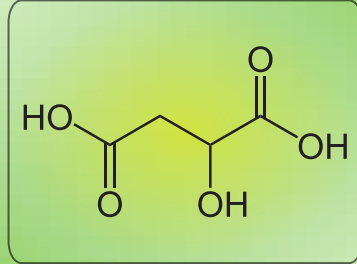


Fumarate

↻ FUM

↻ MAL

Malate

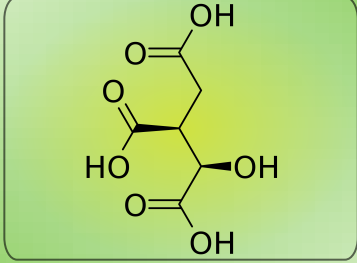


Malate

↻ MAL

↻ IC

Isocitrate

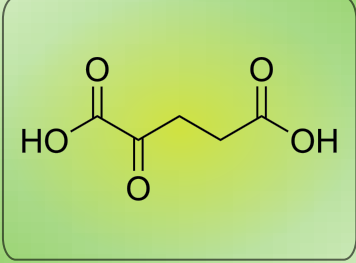


Isocitrate

↻ IC

↻ AKG

Alpha-Ketoglutarate

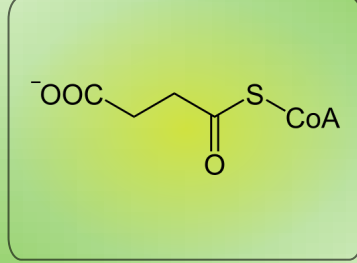


Alpha-Ketoglutarate

↻ AKG

↻ SCoA

Succinyl-CoA

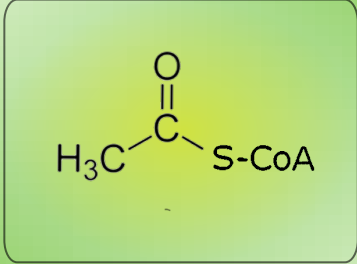


Succinyl-CoA

↻ SCoA

↻ ACoA

Acetyl Coenzyme A

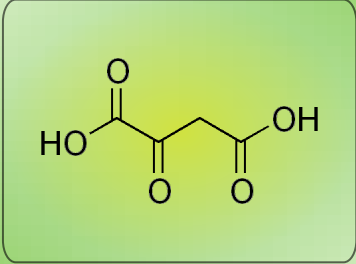


Acetyl Coenzyme A

↻ ACoA

↻ OAA

Oxaloacetate

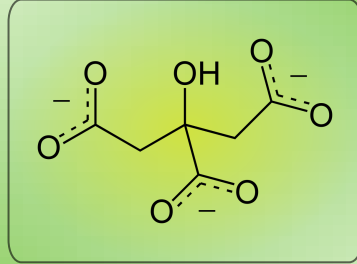


Oxaloacetate

↻ OAA

↻ CITR

Citrate



Citrate

↻ CITR

