



Green Chemistry Simulation Report

No Breakdown Test

Generated: October 03, 2025 at 10:54 PM

Product Information

Product

Molecular Weight: 100 g/mol

Actual Mass: 10 g

Carbon Atoms: N/A

Key Green Chemistry Metrics

ATOM ECONOMY

N/A%

PMI

N/A

E-FACTOR

N/A

RME

N/A%

CARBON EFF.

N/A%

STOICH. FACTOR

N/A

WATER
INTENSITY

N/A

ENERGY

N/A

SOLVENT INT.

N/A

CARBON
FOOTPRINT

N/A

Metrics Interpretation Guide:

- Atom Economy (AE):** $\geq 80\%$ excellent, 60-80% good, $< 60\%$ needs improvement
- PMI:** < 10 pharmaceutical, < 5 fine chemicals, < 1 ideal
- E-Factor:** Lower is better; < 1 pharmaceutical, < 5 fine chemicals
- RME:** $\geq 80\%$ excellent, 60-80% good, $< 60\%$ needs improvement
- Carbon Efficiency (CE):** $\geq 80\%$ excellent, 60-80% good, $< 60\%$ needs improvement

Reactants

#	Name	MW (g/mol)	Mass (g)	C Atoms	Eq. Used
1	R1	80	8	N/A	N/A

Solvents

#	Name	Mass (g)	Recovery
No solvents			

Mass Balance Breakdown

Reactant Mass	0 g
Catalyst Mass	0 g
Total Solvent Mass	0 g
Aqueous Washes	0 g
Auxiliaries (Drying)	0 g
Total Input Mass	0 g
Product Mass	0 g

AI-Powered Recommendations

- No suggestions available. Run simulation to generate insights.