



# Green Chemistry Simulation Report

## Empty Arrays 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
No reactants					

## 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.