THE DOZN™ SCALE

Based on the 12 Principles of Green Chemistry*, DOZN helps researchers, scientists, and manufacturers increase performance and efficiency while reducing human and environmental impact.

**Paul T. Anastas and John C. Warner, 1991.*

MilliporeSigma

L-Lactic acid-1-^{13}C (738778)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	61%	Increased yield. Used less raw materials
	Waste Prevention	37%	Decreased solvent usage
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	74%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
	Energy Efficiency Design	91%	Reduced chemical processing
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	83%	Reduced hazardous reaction conditions
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	29%	Reduced solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	83%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT 69%

AGGREGATE SCORE

0 = Most Desirable

Previous Score 45

Re-engineered Score 14

0