

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.

L-Lactic acid-1-¹³C (738778)

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

TOTAL PERCENT IMPROVEMENT

69%

AGGREGATE SCORE

0 = Most Desirable

Previous Score ←



Re-engineered Score ←

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