

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.

Fumaric acid-1,4-¹³C₂,2,3-d₂ (752576)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	No change	
	Waste Prevention	No change	
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	No change	
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
Human & Environmental Hazards Reduction	Energy Efficiency Design	No change	
	Less Hazardous Chemical Synthesis	36%	Minimized the use of toxic chemicals
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	54%	Reduced solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	36%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT

19%

AGGREGATE SCORE

0 = Most Desirable

Re-engineered Score



Previous Score

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