

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.

Trans-Styrylacetic acid (155322)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	81%	Increased yield. Used less raw materials
	Waste Prevention	44%	Reduced amount of raw materials
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	81%	Reduced quantity of chemical usage
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
Human & Environmental Hazards Reduction	Energy Efficiency Design	91%	Reduced elevated temperature and pressure
	Less Hazardous Chemical Synthesis	60%	Eliminated exothermic reaction conditions
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	N/A	
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	64%	Reduced use of corrosive and toxic chemicals

TOTAL PERCENT IMPROVEMENT

86%

AGGREGATE SCORE

0= Most Desirable



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