

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.



α,α' -Dibromo-m-xylene (125911)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	43%	Increased yield. Used less raw materials
	Waste Prevention	49%	Used less raw materials
	Reduce Derivatives	No Change	
	Renewable Feedstocks Use	43%	Decreased amount of raw materials
	Real-Time Pollution Prevention	No Change	
	Catalyst	No Change	
	Energy Efficiency Design	No Change	
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	28%	Reduced hazardous reaction conditions
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	44%	Reduced solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	N/A	

TOTAL PERCENT IMPROVEMENT

40%

AGGREGATE SCORE

0 = Most Desirable



Previous Score ←

Re-engineered Score ←

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