

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.

4-Aminobenzaldehyde (918369)

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

TOTAL PERCENT IMPROVEMENT

30%

AGGREGATE SCORE

0 = Most Desirable



Re-engineered Score

Previous Score

The Life Science business of Merck operates as MilliporeSigma in the U.S. and Canada.

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