

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.

**MILLIPORE
SIGMA**

2-Phenyl pyridine (P33402)

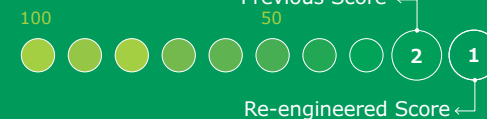
	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	 Atom Economy	59%	Increased yield. Used less raw materials
	 Waste Prevention	48%	Reduced the generation of hazardous waste
	 Reduce Derivatives	N/A	
	 Renewable Feedstocks Use	59%	Decreased amount of raw materials
	 Real-Time Pollution Prevention	N/A	
	 Catalyst	N/A	
Human & Environmental Hazards Reduction	 Energy Efficiency Design	74%	Reduced chemical processing
	 Less Hazardous Chemical Synthesis	54%	Minimized the use of toxic chemicals
	 Safer Chemical Design	N/A	
	 Safer Solvents and Auxiliaries	31%	Reduced the use of auxiliary solvents
	 Design for Degradation	N/A	
	 Inherently Safer Chemical for Accident Prevention	51%	Minimized the explosion and flammability hazard

TOTAL PERCENT IMPROVEMENT

50%

AGGREGATE SCORE

0= Most Desirable



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