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.*

MilliporeSigma

Poly (Ala, Glu, Lys, Tyr) 6:2:5:1 hydrobromide (P1152)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	N/A	
	Waste Prevention	40%	Reduced amount of Raw material
	Reduce Derivatives	99%	Reduced derivative steps
	Renewable Feedstocks Use	N/A	
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
	Energy Efficiency Design	N/A	
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	N/A	
	Safer Chemical Design	44%	Minimizing the toxicity
	Safer Solvents and Auxiliaries	88%	Reduced solvent usage
	Design for Degradation	8%	Reduced use of substance that degrades to environmentally hazardous materials
	Inherently Safer Chemical for Accident Prevention	16%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT 30%

AGGREGATE SCORE

0= Most Desirable