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.*

MERCK

Puromycin dihydrochloride from *Streptomyces alboniger* (P8833)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	2%	Increased yield. Used less raw materials
	Waste Prevention	N/A	
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	2%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
	Energy Efficiency Design	94%	Reduced chemical processing
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	N/A	
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	N/A	
	Design for Degradation	23%	Elimination of substance that degrades to environmentally hazardous materials
	Inherently Safer Chemical for Accident Prevention	N/A	

TOTAL PERCENT IMPROVEMENT 10%

AGGREGATE SCORE

0= Most Desirable