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.*

L-Prolinamide, *N*-[2-[2-(carboxymethoxy)ethoxy]acetyl]-3-methyl-L-valyl-4-hydroxy-*N*-[[4-(4-methyl-5-thiazolyl)phenyl]methyl]-, (4R)- (936510)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	21%	Increased yield with reduced raw material usage
	Waste Prevention	No change	
	Reduce Derivatives	NA	
	Renewable Feedstocks Use	27%	Reduced auxiliary chemicals and solvents
	Real-Time Pollution Prevention	NA	
	Catalyst	51%	Used catalyst to improve yield
	Energy Efficiency Design	81%	Reduced chemical processing
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	15%	Reduced hazardous chemicals
	Safer Chemical Design	NA	
	Safer Solvents and Auxiliaries	72%	Reduced solvent usage
	Design for Degradation	NA	
	Inherently Safer Chemical for Accident Prevention	9%	Reduced reactivity risk

TOTAL PERCENT IMPROVEMENT 26%

AGGREGATE SCORE

0 = Most Desirable