

## 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.

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### 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
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
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



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