

# 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.



## N-Maleoyl-β-alanine (394815)

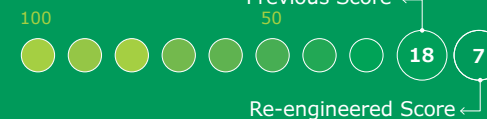
	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div><div></div></div> 54%	Increased yield. Used less raw materials
	Waste Prevention	<div><div></div></div> 64%	Eliminated use of organic solvents. Reduced waste
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	<div><div></div></div> 60%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	<div><div></div></div> 51%	Used catalyst and yield is improved
Human & Environmental Hazards Reduction	Energy Efficiency Design	N/A	
	Less Hazardous Chemical Synthesis	<div><div></div></div> 65%	Reduced hazardous reaction conditions
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	<div><div></div></div> 75%	Reduced and replaced solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	<div><div></div></div> 68%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT

61%

AGGREGATE SCORE

0= Most Desirable



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