













# 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.

MILLIPORE  
SIGMA

## Pomalidomide-piperidine-carboxylic acid (930571)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	 Atom Economy	<div><div></div></div> 10%	Increased yield.
	 Waste Prevention	No Change	
	 Reduce Derivatives	NA	
	 Renewable Feedstocks Use	<div><div></div></div> 10%	Reduced auxiliary chemicals
	 Real-Time Pollution Prevention	NA	
	 Catalyst	NA	
Human & Environmental Hazards Reduction	 Energy Efficiency Design	<div><div></div></div> 74%	Reduced chemical processing
	 Less Hazardous Chemical Synthesis	<div><div></div></div> 7%	Reduced hazardous reaction conditions
	 Safer Chemical Design	<div><div></div></div> 8%	Reduced toxicity
	 Safer Solvents and Auxiliaries	<div><div></div></div> 85%	Reduced solvent usage
	 Design for Degradation	<div><div></div></div> 15%	Reduced use of substances that degrades to environmentally hazardous materials
	 Inherently Safer Chemical for Accident Prevention	No Change	

TOTAL PERCENT IMPROVEMENT

27%

AGGREGATE SCORE

0 = Most Desirable

Re-engineered Score



Previous Score

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