

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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Pomalidomide-piperidine-carboxylic acid (930571)

12 Principles of Green Chemistry	Percentage of Improvement	Results
Atom Economy	<div style="width: 10%;">10%</div>	Increased yield.
Waste Prevention	No Change	
Reduce Derivatives	NA	
Renewable Feedstocks Use	<div style="width: 10%;">10%</div>	Reduced auxiliary chemicals
Real-Time Pollution Prevention	NA	
Catalyst	NA	
Energy Efficiency Design	<div style="width: 74%;">74%</div>	Reduced chemical processing
Less Hazardous Chemical Synthesis	<div style="width: 7%;">7%</div>	Reduced hazardous reaction conditions
Safer Chemical Design	<div style="width: 8%;">8%</div>	Reduced toxicity
Safer Solvents and Auxiliaries	<div style="width: 85%;">85%</div>	Reduced solvent usage
Design for Degradation	<div style="width: 15%;">15%</div>	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



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