

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.



Trans-4,5-Dihydroxy-1,2-dithiane (D3511)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div style="width: 56%;"></div> 56%	Increased yield. Used less raw materials
	Waste Prevention	<div style="width: 6%;"></div> 6%	Reduced the generation of hazardous waste
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	<div style="width: 56%;"></div> 56%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
	Energy Efficiency Design	N/A	
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	<div style="width: 56%;"></div> 56%	Minimized the use of toxic chemicals
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	N/A	
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	<div style="width: 52%;"></div> 52%	Minimized the explosion and flammability hazard

TOT

33%

AGGREGATE SCORE

0= Most Desirable



Previous Score ←

Re-engineered Score ←

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