

# 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.

## Tris(2,4,6-trimethoxyphenyl)phosphine (392081)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div><div></div></div> 76%	Increased yield. Used less raw materials
	Waste Prevention	<div><div></div></div> 100%	Used less raw materials and solvents
	Reduce Derivatives	No Change	
	Renewable Feedstocks Use	<div><div></div></div> 91%	Decreased quantity of raw materials
	Real-Time Pollution Prevention	No Change	
	Catalyst	No Change	
Human & Environmental Hazards Reduction	Energy Efficiency Design	<div><div></div></div> 68%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	<div><div></div></div> 73%	Reduced hazardous reaction conditions
	Safer Chemical Design	No Change	
	Safer Solvents and Auxiliaries	<div><div></div></div> 83%	Reduced solvent usage
	Design for Degradation	No Change	Reduced use of substances that degrades to environmentally hazardous materials
	Inherently Safer Chemical for Accident Prevention	<div><div></div></div> 73%	Reduced reactivity hazard

TOTAL PERCENT IMPROVEMENT

80%

AGGREGATE SCORE

0 = Most Desirable



Re-engineered Score ← 0

← Previous Score

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