

# 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	76%	Increased yield. Used less raw materials
	Waste Prevention	100%	Used less raw materials and solvents
	Reduce Derivatives	No Change	
	Renewable Feedstocks Use	91%	Decreased quantity of raw materials
	Real-Time Pollution Prevention	No Change	
	Catalyst	No Change	
	Human & Environmental Hazards Reduction	Energy Efficiency Design	68%
Less Hazardous Chemical Synthesis		73%	Reduced hazardous reaction conditions
Safer Chemical Design		No Change	
Safer Solvents and Auxiliaries		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		73%	Reduced reactivity hazard

**TOTAL PERCENT IMPROVEMENT**

**80%**

**AGGREGATE SCORE**

0 = Most Desirable



Re-engineered Score ← 0

← Previous Score

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