

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.

3,3'''-Dihexyl-2,2':5',2'':5'',2'''- Quaterthiophene (694460)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	42%	Decreased solvent usages while maintaining same yield
	Waste Prevention	49%	Decreased solvent usage
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	42%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
Human & Environmental Hazards Reduction	Energy Efficiency Design	80%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	31%	Reduced flammability and reactivity hazards
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	47%	Decreased organic solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	29%	Eliminated use of corrosive reagents

TOTAL PERCENT IMPROVEMENT

71%

AGGREGATE SCORE

0= Most Desirable



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