

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.

SPhos (PM2007)

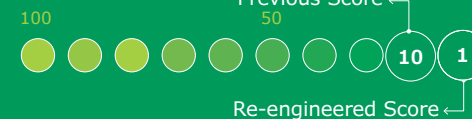
	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div style="width: 90%;"></div> 90%	Increased yield. Used less raw materials
	Waste Prevention	<div style="width: 91%;"></div> 91%	Reduced waste by decreasing solvent usage
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	<div style="width: 90%;"></div> 90%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
	Energy Efficiency Design	<div style="width: 87%;"></div> 87%	Reduced extreme reaction conditions
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	<div style="width: 93%;"></div> 93%	Reduced use of hazardous reagents at extreme temperatures
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	<div style="width: 90%;"></div> 90%	Decreased use of flammable and reactive solvents
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	<div style="width: 96%;"></div> 96%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT

90%

AGGREGATE SCORE

0= Most Desirable



The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

© 2020 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. Merck, the vibrant M and DOZN are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources. 2020 - 32017