

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.



BrettPhos (PMC2000)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div style="width: 85%;"></div> 85%	Increased yield. Used less raw materials
	Waste Prevention	<div style="width: 85%;"></div> 85%	Decreased solvent usage by 84%
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	<div style="width: 83%;"></div> 83%	Reduced quantity of chemical usage
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
Human & Environmental Hazards Reduction	Energy Efficiency Design	<div style="width: 84%;"></div> 84%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	<div style="width: 83%;"></div> 83%	Reduced use of toxic hazards
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	<div style="width: 60%;"></div> 60%	Reduced usage of organic solvents
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	<div style="width: 82%;"></div> 82%	Reduced use of toxic chemicals

TOTAL PERCENT IMPROVEMENT

88%

AGGREGATE SCORE

0= Most Desirable



Previous Score ←

Re-engineered Score ←

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

© 2020 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. MilliporeSigma, 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