

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.

MILLIPORE
SIGMA

7-Ketodeoxycholic acid (SMB00806)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	 Atom Economy	68%	Reduced number of raw materials
	 Waste Prevention	No Change	
	 Reduce Derivatives	NA	
	 Renewable Feedstocks Use	39%	Reduced auxiliary chemicals
	 Real-Time Pollution Prevention	NA	
	 Catalyst	No Change	
Human & Environmental Hazards Reduction	 Energy Efficiency Design	86%	Reduced chemical processing
	 Less Hazardous Chemical Synthesis	37%	Reduced hazardous reaction conditions
	 Safer Chemical Design	NA	
	 Safer Solvents and Auxiliaries	40%	Reduced solvent usage
	 Design for Degradation	NA	
	 Inherently Safer Chemical for Accident Prevention	48%	Reduced reactivity hazard

TOTAL PERCENT IMPROVEMENT

38%

AGGREGATE SCORE

0 = Most Desirable

Re-engineered Score

Previous Score



MilliporeSigma is the U.S. and Canada Life Science business of Merck KGaA, Darmstadt, Germany.

© 2025 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. 2025 - 67220