

# 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.

## 7-Ketodeoxycholic acid (SMB00806)

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

**TOTAL PERCENT IMPROVEMENT**

**38%**

**AGGREGATE SCORE**

0 = Most Desirable

Re-engineered Score

Previous Score



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