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.

L-Phenyl-d₅-alanine (615870)

12 I	Principles of Green Chemistry	Percentage of Improvement	Results
***	Atom Economy	18%	Increased yield. Used less raw materials
	Waste Prevention	No change	
	Reduce Derivatives	50%	Reduced derivatives
	Renewable Feedstocks Use	65%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
e	Energy Efficiency Design	No change	
1	Less Hazardous Chemical Synthesis	54%	Reduced hazardous reaction conditions
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	64%	Reduced solvent usage
	Design for Degradation	N/A	
D	Inherently Safer Chemical for Accident Prevention	54%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT



0 = Most Desirable

Previous Score ←

Re-engineered Score ←