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.

Hydroquinidine 1,4-phthalazinediyl diether (392731)

12 Principles of Green Chemistry	Percentage of Improvement	Results
Atom Economy	19%	Increased yield. Used less raw materials.
Waste Prevention	44%	Decreased solvent usage
Reduce Derivatives	N/A	
Renewable Feedstocks Use	19%	Decreased amount of raw materials
Real-Time Pollution Prevention	N/A	
C atalyst	N/A	
Energy Efficiency Design	19%	Reduced chemical processing
Less Hazardous Chemical Synthesis	39%	Reduced hazardous reaction conditions
Safer Chemical Design	21%	Minimizing the toxicity
Safer Solvents and Auxiliaries	46%	Reduced solvent usage
Design for Degradation	3%	Reduced use of substance that degrades to environmentally hazardous materials
Inherently Safer Chemical for Accident Prevention	39%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT



AGGREGATE SCORE | | | | | | | | | | | | 0= Most Desirable

Re-engineered Score <

Previous Score +