

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.

5-Norbornene-2-carboxylate NHS ester (941506)

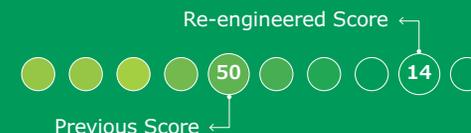
| | 12 Principles of Green Chemistry | Percentage of Improvement | Results |
|---|---|---------------------------|---|
| Resource Used | Atom Economy | 79% | Reduced amount of raw materials |
| | Waste Prevention | 22% | Elimination of organic solvent usage |
| | Reduce Derivatives | NA | |
| | Renewable Feedstocks Use | 79% | Reduced auxiliary chemicals and solvent |
| | Real-Time Pollution Prevention | NA | |
| | Catalyst | NA | |
| | Energy Efficiency Design | NA | |
| Human & Environmental Hazards Reduction | Less Hazardous Chemical Synthesis | 91% | Eliminated hazardous solvents |
| | Safer Chemical Design | 59% | Reduced toxicity |
| | Safer Solvents and Auxiliaries | 100% | Eliminated solvent usage |
| | Design for Degradation | NA | |
| | Inherently Safer Chemical for Accident Prevention | 92% | Minimized reactivity risk |

TOTAL PERCENT IMPROVEMENT

72%

AGGREGATE SCORE

0 = Most Desirable



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