

TAM Assistant Analysis Report

Kinetics

Model

Autocatalytic
 $d[C]/dt = k([A]_o - (a/c)([C]-[C]_o)) [C]$

Model Input Parameters

a/c: 1

Signal

Input

Results file path: *S:\TAM-work\Diazo\Article-Diazo-Calorim-TAMIII\4 CH3OC6H4N2+ TfO- 75 Nitrogen 12-25-15.rslt*
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.5185mmol/g

Results

Po: 1.4768μW
k: 0.002077 g*s⁻¹*mol⁻¹ ± 9.6e-6 g*s⁻¹*mol⁻¹
dH: 183.1 kJ/mol ± 510 J/mol
Co: 1.10e-4 ± 1.7e-6
Standard deviation: 1.2176μW
NDF: 5848

Measured Calculated

