

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- 85 Nitrogen 1-12-16.rslt*
Measurement signal: Data series.Signal
Mass: 10mg
[A]_o: 3.5185mmol/g

Results

P_o: 11.379μW
k: 0.0128 g*s⁻¹*mol⁻¹ ± 1.7e-4 g*s⁻¹*mol⁻¹
dH: 105.8 kJ/mol ± 750 J/mol
C_o: 2.39e-4 ± 6.8e-6
Standard deviation: 5.6887μW
NDF: 5939

Measured Calculated

