

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: C:\Users\S\Documents\Diazo\Ampoule (8-8-16) m-NO2
Ph-N2-OTf-85.rslt
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.3424mmol/g

Results

Po: 2.6876μW
k: 0.04098 g*s⁻¹*mol⁻¹ ± 1.2e-4 g*s⁻¹*mol⁻¹
dH: 221.8 kJ/mol ± 460 J/mol
Co: 8.84e-6 ± 1.4e-7
Standard deviation: 10.29μW
NDF: 5357

Measured Calculated

