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 (2-1-16) NO2 Ph-N2-Ts-85.rslt*

Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.1123mmol/g

Results

Po: 4.1518μW
k: 0.1033 g*s^-1*mol^-1 ± 3.8e-4 g*s^-1*mol^-1
dH: 230.7 kJ/mol ± 640 J/mol
Co: 5.60e-6 ± 1.3e-7
Standard deviation: 10.827μW
NDF: 5786

—— **Measured**   —— **Calculated**