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 (3-14-16) NO2 Ph-N2-OTs V.rslt*

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

Results

Po: 5.8523µW
k: 0.08967 g*s^-1*mol^-1 ± 3.1e-4 g*s^-1*mol^-1
dH: 219.5 kJ/mol ± 560 J/mol
Co: 9.55e-6 ± 2.0e-7
Standard deviation: 17.3µW
NDF: 5263

—— **Measured**   —— **Calculated**