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 (3-11-16) NO2 Ph-N2-OTs V.rslt*

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

Results

Po: 10.619µW
k: 0.08650 g*s^-1*mol^-1 ± 4.6e-4 g*s^-1*mol^-1
dH: 236.8 kJ/mol ± 830 J/mol
Co: 1.67e-5 ± 4.8e-7
Standard deviation: 20.725µW
NDF: 5414

—— **Measured**   —— **Calculated**