

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\Ampoule (7-1-16) o-NO2-Ph-N2
OTf-85.rslt*

Measurement signal:

Data series.Signal

Mass:

10mg

[A]_o:

3.3424mmol/g

Results

P_o:

15.285μW

k:

$7.255e-4 \text{ g}^*s^{-1}*mol^{-1} \pm 7.1e-6 \text{ g}^*s^{-1}*mol^{-1}$

dH:

420.5 kJ/mol \pm 1.1 kJ/mol

Co:

$0.00150 \pm 2.0e-5$

Standard deviation:

1.792μW

NDF:

5858

— Measured — Calculated

