

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 (6-15-16) NO2 Ph-N2-OTs V3 PK2 Ar.rslt*
Measurement signal: Data series.Signal
Mass: 10mg
[A]_o: 3.1123mmol/g

Results

P_o: 9.8703μW
k: 95.777mg*s⁻¹*mol⁻¹ [Error could not be calculated]
dH: 232.5 kJ/mol ± 350 J/mol
C_o: 1.4242e-5 [Error could not be calculated]
Standard deviation: 22.576μW
NDF: 5092

— Measured — Calculated

