

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 (12-16-15)
NO2-Ph-N2-BF4-75.rslt
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 4.2208mmol/g

Results

Po: 39.241μW
k: 0.01860 g*s⁻¹*mol⁻¹ ± 7.1e-5 g*s⁻¹*mol⁻¹
dH: 173.1 kJ/mol ± 350 J/mol
Co: 2.888e-4 ± 2.9e-6
Standard deviation: 8.3147μW
NDF: 4676

Measured Calculated

