

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 (8-11-16) p
NO2-Ph-N2-BF4-85.rsl
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 4.2208mmol/g

Results

Po: 123.67μW
k: 0.06396 g*s⁻¹*mol⁻¹ ± 2.6e-4 g*s⁻¹*mol⁻¹
dH: 173.9 kJ/mol ± 370 J/mol
Co: 2.63e-4 ± 3.1e-6
Standard deviation: 21.842μW
NDF: 5144

Measured Calculated

