

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 (1-12-16)
CH3O-Ph-N2-Tf-85.rslt
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.5185mmol/g

Results

Po: 11.379μW
k: 0.0128 g*s⁻¹*mol⁻¹ ± 1.7e-4 g*s⁻¹*mol⁻¹
dH: 105.8 kJ/mol ± 750 J/mol
Co: 2.39e-4 ± 6.8e-6
Standard deviation: 5.6887μW
NDF: 5939

Measured Calculated

