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 (6-2-16) NO2 Ph-N2-OTs V3 PK2 Ar.rslt***

Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.1123mmol/g

Results

Po: 14.847µW
k: 0.1130 g*s^-1*mol^-1 ± 6.3e-4 g*s^-1*mol^-1
dH: 242.8 kJ/mol ± 870 J/mol
Co: 1.74e-5 ± 5.1e-7
Standard deviation: 24.079µW
NDF: 5580