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 [Varied]

Signal

Input

Results file path: ***C:\Users\S\Documents\Diazo\Ampoule (7-1-16) o-NO2 Ph-N2-OTf-85.rslt***

Measurement signal: Data series.Signal
Mass: 10µg
[A]o: 456µmol/g

Results

Po: 8.3216µW
k: 0.0136 g*s^-1*mol^-1 ± 3.5e-4 g*s^-1*mol^-1
dH: 2.8 GJ/mol ± 980 MJ/mol
a/c: 1.2 ± 0.40
Co: 4.7e-5 ± 1.6e-5
Standard deviation: 3.5377µW
NDF: 5968