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: ***S:\TAM-work\Diazo\Article-Diazo-Calorim-TAMIII\4 NO2C6H4N2+ TfO - 75 Nitrogen 12-22-15.rslt***

Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.3424mmol/g

Results

Po: 899.45nW
k: 0.03156 g*s^-1*mol^-1 ± 8.9e-5 g*s^-1*mol^-1
dH: 199.6 kJ/mol ± 420 J/mol
Co: 4.27e-6 ± 8.1e-8
Standard deviation: 7.2242µW
NDF: 5076

—— **Measured**   —— **Calculated**