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\2 NO2C6H4N2+ TfO - 75 Nitrogen 12-20-16.rslt***

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

Results

Po: 4.0557µW
k: $2.606e\text{-}4\ g*s^\wedge\text{-}1*mol^\wedge\text{-}1 \pm 2.0e\text{-}6\ g*s^\wedge\text{-}1*mol^\wedge\text{-}1$
dH: 436.0 kJ/mol ± 1.1 kJ/mol
Co: 0.00107 ± 1.2e-5
Standard deviation: 571.22nW
NDF: 5963

—— **Measured**   —— **Calculated**