

# 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 (8-14-16) p NO2-Ph-N2-OTf-85.rslt*  
Measurement signal: Data series.Signal  
Mass: 10mg  
[A]<sub>o</sub>: 3.3424mmol/g

#### Results

P<sub>o</sub>: 28.829μW  
k: 0.1699 g\*s<sup>-1</sup>\*mol<sup>-1</sup> ± 5.4e-4 g\*s<sup>-1</sup>\*mol<sup>-1</sup>  
dH: 219.1 kJ/mol ± 500 J/mol  
C<sub>o</sub>: 2.32e-5 ± 3.5e-7  
Standard deviation: 34.515μW  
NDF: 4902

— Measured — Calculated

