In [1]:
```
# impoting necessary libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt # visualizing data
%matplotlib inline
import seaborn as sns
```

In [5]:
```
# importing the csv file
df = pd.read_csv(r'C:\Users\hp\Desktop\bio Project\2 Pyruvate.csv',encoding= 'unicode_escape')
```

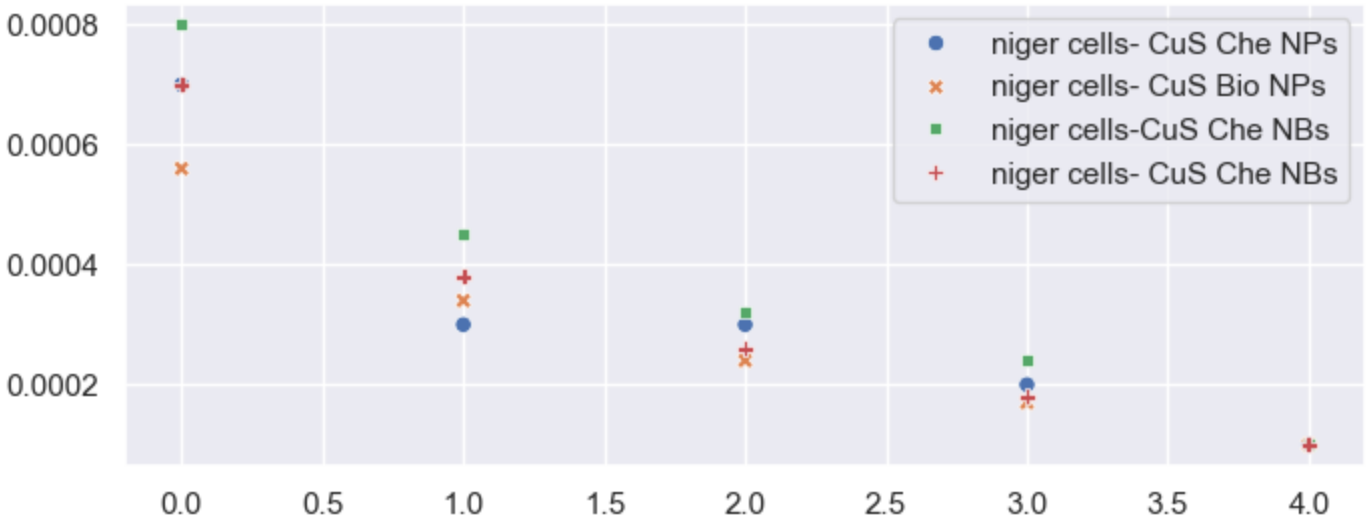
In [6]:
```
# Description of the loaded data
df.describe()
```

Out[6]:

	niger cells- CuS Che NPs	niger cells- CuS Bio NPs	niger cells-CuS Che NBs	niger cells- CuS Che NBs
count	5.000000	5.000000	5.000000	5.000000
mean	0.000320	0.000282	0.000382	0.000324
std	0.000228	0.000179	0.000266	0.000234
min	0.000100	0.000100	0.000100	0.000100
25%	0.000200	0.000170	0.000240	0.000180
50%	0.000300	0.000240	0.000320	0.000260
75%	0.000300	0.000340	0.000450	0.000380
max	0.000700	0.000560	0.000800	0.000700

In [8]:
```
sns.violinplot(data=df)
sns.set(rc={'figure.figsize':(11,5)})
```

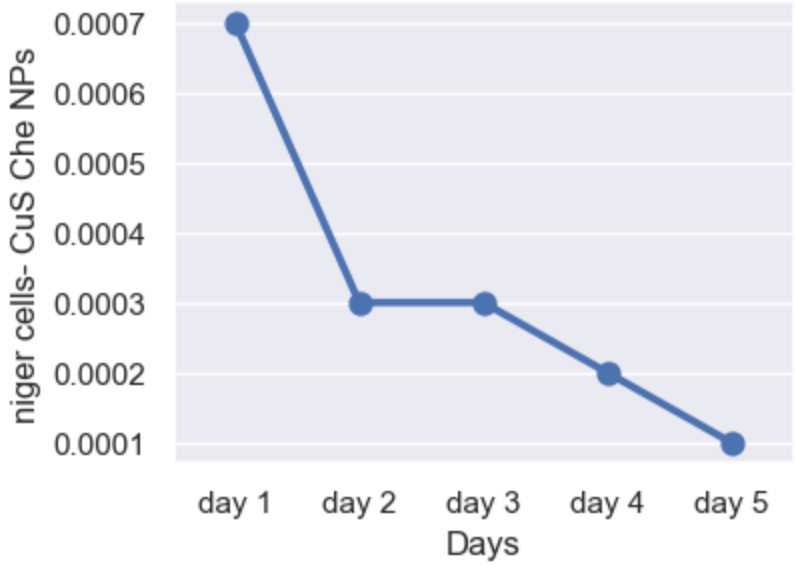
In [14]:
```
sns.scatterplot(data=df)
sns.set(rc={'figure.figsize':(8,3)})
```



In [15]:
```
df = df.groupby(['Days'], as_index=False)['niger cells- CuS Che NPs'].sum().sort_values(by='niger cells- CuS Che NPs

sns.set(rc={'figure.figsize':(4,3)})
sns.pointplot(data = df, x = 'Days',y= 'niger cells- CuS Che NPs')
```

Out[15]: <Axes: xlabel='Days', ylabel='niger cells- CuS Che NPs'>



In [ ]: