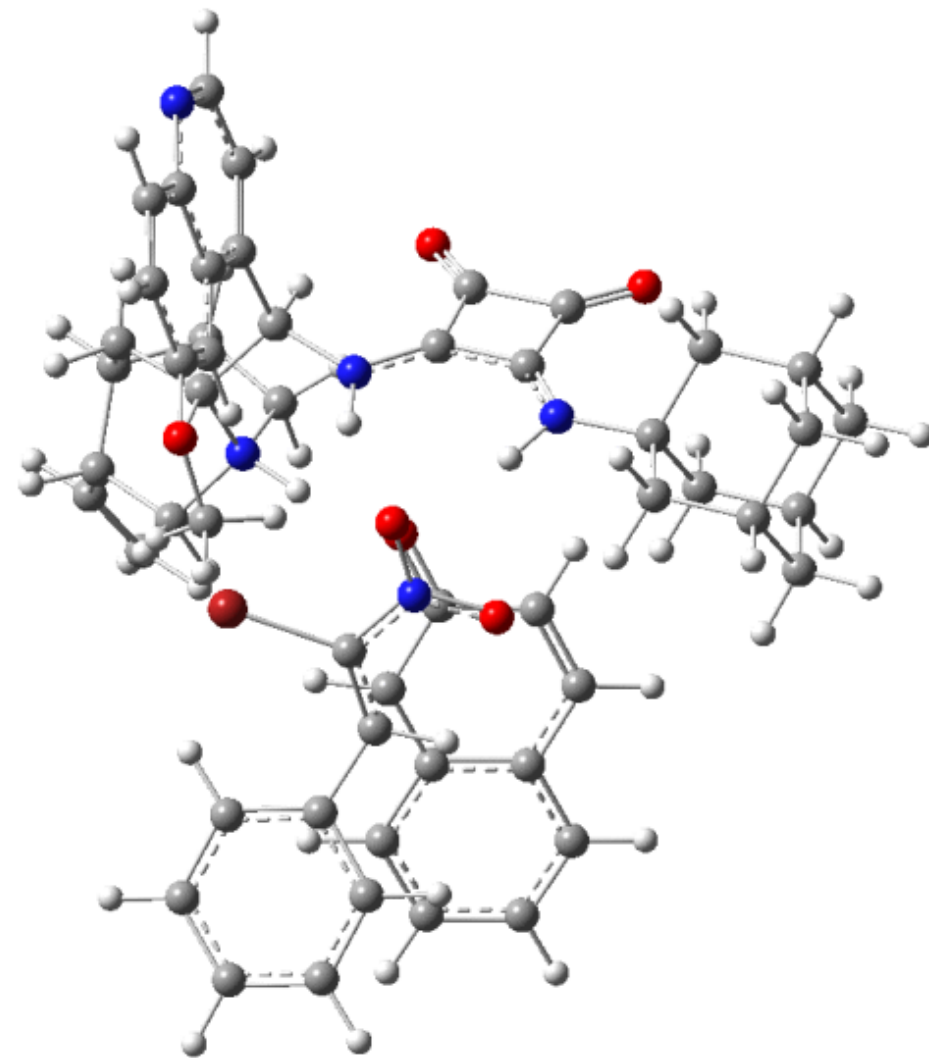


## Movie-Supporting Information-trans-TS1

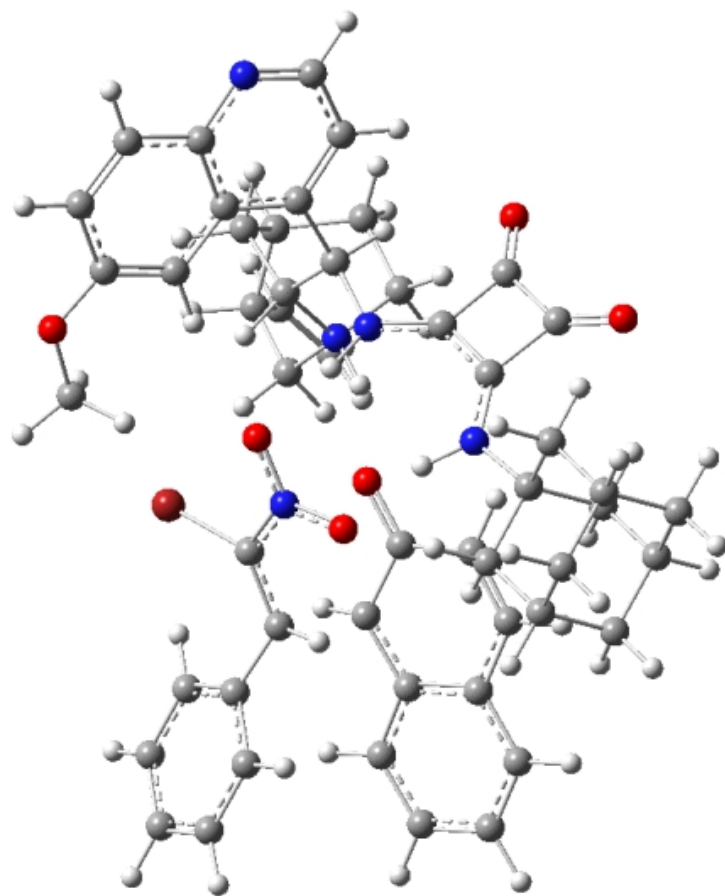
### Imaginary frequency



	Mode #	Frequency	Infrared
<b>1</b>	<b>1</b>	<b>-305.10</b>	<b>381.0632</b>
2	2	11.62	0.5038
3	3	20.66	0.2850
4	4	20.81	0.4351
5	5	23.00	0.1279
6	6	27.80	0.0860
7	7	33.11	2.3383
8	8	38.86	1.2678
9	9	40.49	1.4179
10	10	45.87	0.5685

# Movie-Supporting Information-trans-TS2

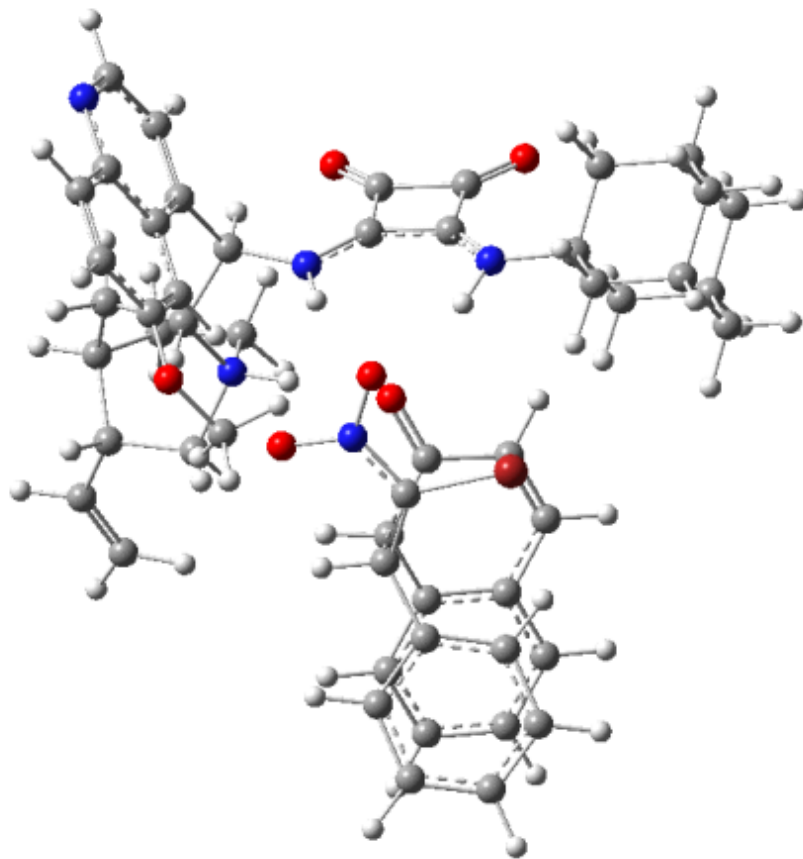
## Imaginary frequency



	Mode #	Frequency	Infrared
<b>1</b>	<b>1</b>	<b>-172.22</b>	<b>295.8616</b>
2	2	13.05	0.6647
3	3	17.44	0.0229
4	4	18.27	0.2221
5	5	25.01	0.3408
6	6	26.31	0.8585
7	7	31.98	0.0762
8	8	34.30	1.5796
9	9	38.16	4.3626
10	10	41.04	0.3796

# Movie-Supporting Information-cis-TS

## Imaginary frequency



	Mode #	Frequency	Infrared
1	1	-292.83	419.2991
2	2	11.79	0.0971
3	3	16.47	0.3150
4	4	22.65	0.2138
5	5	27.71	0.0375
6	6	28.54	1.5380
7	7	30.44	0.1492
8	8	35.24	0.6126
9	9	38.13	1.7542
10	10	46.71	0.9755