|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Table (1): Cyclic voltammetric data of (E)-1-(Furan-2-yl)-3-phenylprop-2-ene-1-one reduction on  glassy carbon electrode in acetonitrile at sweep rate 40 mV s-1. | | | | | | | | | | | | | | | | | |
|  |  |  | |  | |  |  | |  |  | |  | | |  |  |  | |
|  |  | First peak | | | | | | Second peak | | | | | | | | | | |
| S.No. | [Substrate] | ip | ip/ACν1/2 | -Ep | -Ep1/2 | | αna | | ip | | ip/ACν1/2 | | -Ep | -Ep1/2 | | | | αna |
|  |  |  |  |  |  | |  | |  | |  | |  |  | | | |  |
|  | (mM) | (µA) |  | (V) | (V) | |  | | (µA) | |  | | (V) | (V) | | | |  |
|  |  |  |  |  |  | |  | |  | |  | |  |  | | | |  |
| 1 | 2 | 40.07 | 3190 | 1.318 | 1.216 | | 0.87 | | 45.97 | | 3660 | | 1.530 | 1.235 | | | | 0.31 |
|  | 4 | 57.71 | 2297 | 1.315 | 1.232 | | 0.72 | | 45.17 | | 1798 | | 1.529 | 1.232 | | | | 0.27 |
|  | 6 | 85.97 | 2281 | 1.320 | 1.232 | | 0.59 | | 64.51 | | 1712 | | 1.550 | 1.114 | | | | 0.27 |
|  | 8 | 114.00 | 2269 | 1.325 | 1.249 | | 0.49 | | 91.43 | | 1819 | | 1.550 | 1.349 | | | | 0.25 |
|  | 10 | 123.50 | 1967 | 1.328 | 1.241 | | 0.37 | | 93.35 | | 1491 | | 1.554 | 1.290 | | | | 0.22 |
|  |  |  |  |  |  | |  | |  | |  | |  |  | | | |  |