|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parent | | | | HxO-1 | | HxO-2 | | HxO-4 | |
| cy-hexane | | Chloroform | | Chloroform | | Chloroform | | Chloroform | |
| 283 | 3.74 | 284 | 3.79 | 282 | 3.75 | 283 | 3.83 | 283 | 3.83 |
|  |  | 366 | 4.12 | 366 | 4.18 | 366 | 4.24 | 365 | 4.30 |
| 382 | 4.57 | 383 | 4.40 | 385 | 4.47 | 384 | 4.55 | 382 | 4.54 |
| 510 | 3.07 | 509 | 2.97 | 513 | 3.02 | 518 | 3.08 | 517 | 3.03 |
| 562 | 3.08 | 564 | 2.94 | 564 | 3.02 | 569 | 3.12 | 565 | 3.18 |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Average of two | | Average of three | |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

UV/vis data

Solubility data

|  |  |  |  |
| --- | --- | --- | --- |
|  | Ethanol | Hexane | DCM |
|  |  |  |  |
| Parent Ar3CH | < 0.02 g/l | 0.38 + 0.01 g/l | 3.6 + 0.3 g/l |
| Parent radical | 1.3 + 0.1 g/l | 4.2 + 0.4 g/l | 17.9 + 0.9 g/l |
|  |  |  |  |
| HxO-4 Ar3CH | 2.6 + 0.3 g/l | ∞ | ∞ |
| HxO-4 radical | 12.1 + 0.6 g/l | ∞ | ∞ |
|  | Each is an average of five measurements | | |