

| | | |
|-------|--|----|
| 3.10 | ¹ H-NMR spectrum of (AM-4). | 50 |
| 3.11 | IR-spectrum of (AM-4). | 51 |
| 3.12 | DCS thermogram of (AM-4). | 52 |
| 3.13 | ¹ H-NMR spectrum (AM-5) | 54 |
| 3.14 | IR spectrum of (AM-5). | 55 |
| 3.15 | ¹ H-NMR of (AM-6). | 57 |
| 3.16 | IR spectrum of (AM-6). | 58 |
| 3.17 | DSC thermogram of (AM-6). | 59 |
| 4.1 | Proposed Mannich reaction | 61 |
| 4.2.A | Binding mode of Am6 (blue) within the COX-1 active site (gold). | 64 |
| 4.2.B | Binding mode Am4 (yellow) within the COX-2 active site (gray), respectively. | 64 |