## List of Scheme

| Scheme 1: Synthetic route of intermediate 6e        | 38 |
|---|----|
| Scheme 2: Synthetic route of intermediate 6h        | 39 |
| Scheme 3: Synthetic route of intermediate 6g        | 40 |
| Scheme 4: Synthetic route of 24a-h of Series 1      | 41 |
| Scheme 5: Synthetic route of intermediate 28b       | 48 |
| Scheme 6: Synthetic route of 32a-an of Series 2     | 48 |
| Scheme 7: Synthetic route of 32ao-av of Series 3    | 59 |
| Scheme 8: Synthetic route of 41 and 42 of Series 4  | 65 |
| Scheme 9: Synthetic route of 51 and 52 of Series 4  | 66 |
| Scheme 10: Synthetic route of 61 and 62 of Series 4 | 67 |
| Scheme 11: Synthetic route of 71 and 72 of Series 4 | 68 |