**Table 3.** Synthesis of pyrrolo[3,2-*d*]pyrimidine derivatives, yields, melting points and **t**he reaction times (**5a-l**)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **M.P.oC** | **Yields%** | **Time(min)** | **Y** | **R** | **R** | **Ar** | **Entry** |
| >300 | 90 | 65 | O | H | H | C6H5 | 5a |
| >300 | 95 | 60 | O | H | H | 4-MeC6H4 | 5b |
| >300 | 78 | 70 | O | H | H | 4-ClC6H4 | 5c |
| >300 | 76 | 75 | O | H | H | 4-NO2C6H4 | 5d |
| >300 | 86 | 70 | S | H | H | C6H5 | **5e**[56] |
| >300 | 90 | 65 | S | H | H | 4-MeC6H4 | 5f |
| >300 | 76 | 75 | S | H | H | 4-ClC6H4 | 5g |
| >300 | 73 | 80 | S | H | H | 4-NO2C6H4 | 5h |
| >300 | 91 | 60 | O | Me | Me | C6H5 | **5i**[56] |
| >300 | 94 | 55 | O | Me | Me | 4-MeC6H4 | 5j |
| >300 | 82 | 65 | O | Me | Me | 4-ClC6H4 | 5k |
| >300 | 75 | 70 | O | Me | Me | 4-NO2C6H4 | 5l |