

water (40 mL×3) and 10% Na₂CO₃ (20 mL), dried over MgSO₄. After removal of the solvent, the residue was chromatographed on a silica gel plate (cyclohexane-acetic acid as an eluent) to give pure solid product **3** in 80.1% yield.

Scheme 2

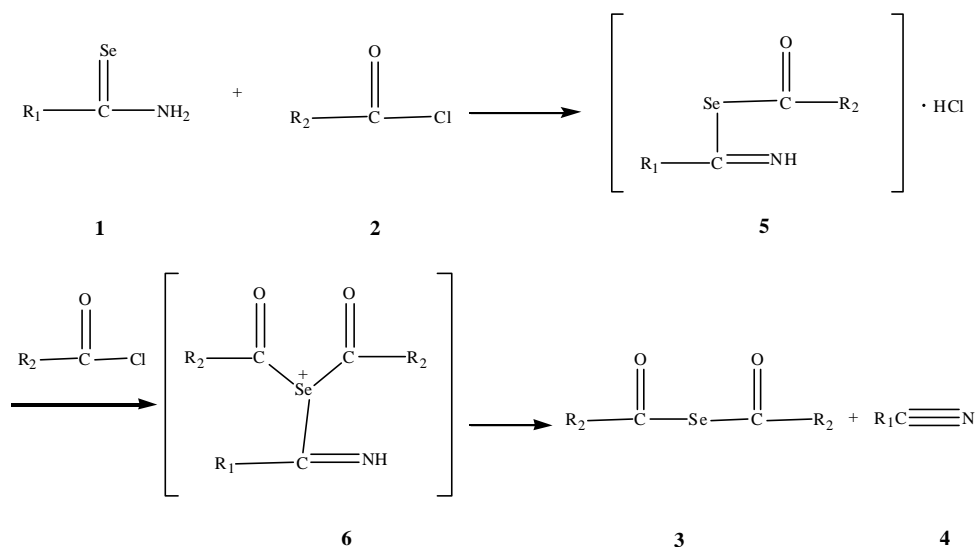


Table 1 Synthesis of diacyl Selenides

Product 3	R ₁	R ₂	React time (min)	Yield(%) ^a
3a	C ₆ H ₅	C ₆ H ₅	60	80.1
3a	3-MeC ₆ H ₄	C ₆ H ₅	60	82.0
3b	C ₆ H ₅	4-MeOC ₆ H ₄	45	85.0
3b	3-MeC ₆ H ₄	4-MeOC ₆ H ₅	40	86.6
3c	C ₆ H ₅	4-CH ₃ C ₆ H ₄	60	81.2
3d	C ₆ H ₅	4-ClC ₆ H ₄	90	75.2
3e	C ₆ H ₅	3-ClC ₆ H ₄	120	69.4
3f	C ₆ H ₅	2-Furanyl	40	80.2

^aYield of isolated product. All products were characterized by IR, ¹H-NMR and elemental analysis.

References

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