**SCS-002**

|  |  |  |
| --- | --- | --- |
| Entry 1/1 | Page / | Printed: Aug 6, 2019 6:17:43 PM |

|  |  |
| --- | --- |
| Created: Fri Nov 16 09:06:15 CET 2018 | Carried out by: Stefan Schmidt |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reference amount: | 5 mmol | Solvent: | DMF | cryostate: | true | electricalOther: | Test |
| Gas: | Ar | gasPress: | 11 bar | heatingStirring: | true | howToQuench: | quc |
| notes: | not | overnight: | true | Pressure: | 5 bar | reflux: | true |
| Lab: | 4477 | Solv.: | DMF | specialRisks: | spc | T (°C): | 60 |
| vacPump: | true |

**Reactants**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **eq** | **Structure** | **Substance name** | **Formula/CAS No.** | **MW** | **n [mmol]** | **c [%]** | **m [mg]** | r | **V [ml]** | **Hazard codes** |
| A | 3 |  | C2H6Se | C2​H6​Se | 109 | 15 |  | 1635 | 0.866 | 1.89 | general dangerextremly flammable/flammablehealth hazard |
| B | 2 | [MISSING IMAGE: , ] | Ru-MACHO®250 mg / -5.07 mg - Chemical storage, P3 | C29​H30​ClNOP2​Ru1295649-40-9 | 607 | 10 |  | 6070 |  |  | health hazard |
| C | 1 |  | Aceton5 l / 5 l - Solvents, Solvents (Stefan Schmidt) | C3​H6​O67-64-1 | 58.1 | 5 |  | 290 | 0.79 | 0.368 | extremly flammable/flammablegeneral danger |
| D |  |  | MOF-5 | C4​H5​F3 | 110 |  |  |  |  |  |  |
| E |  |  | C3H5OSe | C3​H5​OSe | 136 |  |  |  | 0.79 |  | extremly flammable/flammablegeneral danger |

**Reagents**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **eq** | **Structure** | **Substance name** | **Formula/CAS No.** | **MW** | **n [mmol]** | **c [%]** | **m [mg]** | r | **V [ml]** | **Hazard codes** |
| R1 |  |  | Tetradecane129.8 ml - Chemical storage, N2 | C14​H30629-59-4 | 198 |  |  |  | 0.767 |  | health hazard |

**Procedure**

SCS-001

Saved it yes

Test

zum Speichern

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | Y | Z |   |   |   |
| 2 |   |   | Test |   |   |
|   |   |   |   |   |   |
| 3 |   |   |   | ~~&&&~~ |   |
| 4 |   |   |   |   |   |

1. Test
2. Test
3. Noch einer

**Observation**

Test

**Products**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **eq** | **Structure** | **Substance name** | **Formula/CAS No.** | **MW** | **n [mmol]** | **c** | **m [g]** | **YIsol / YAna** | **Hazard codes** |
| 1 | 1 |  | methylbenzene | C7​H8108-88-3 | 92.1 | 5 (100% = 0.461 g) |  | 50 | 10900 /  | general dangerextremly flammable/flammablehealth hazard |