

Figure 1: Time course study results for cleavage of deprotected linker of Example 1C at 90 °C and at 20 °C

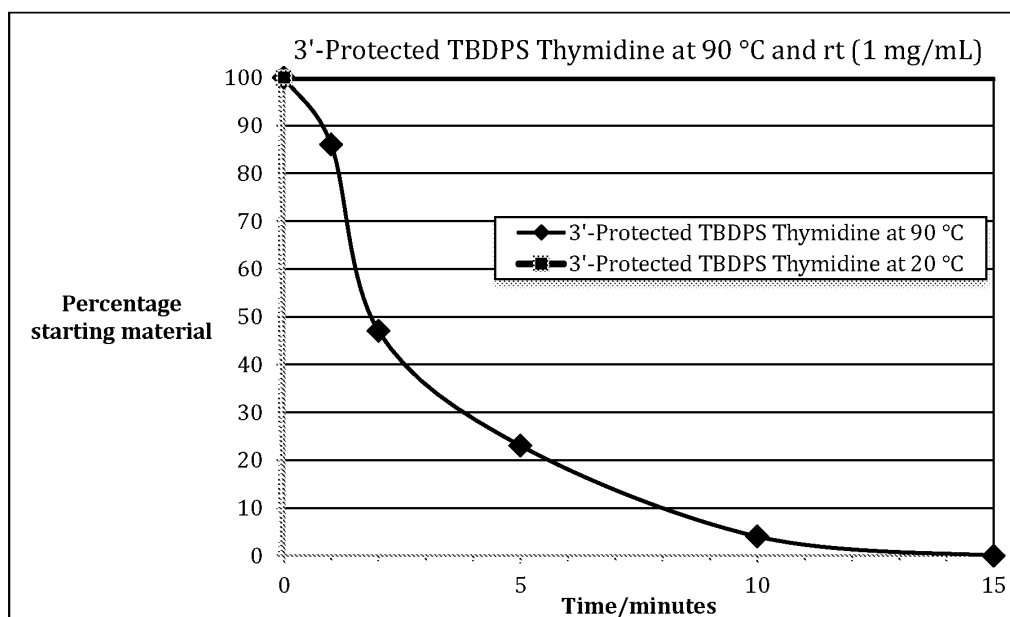


Figure 2: Time course study results for deprotected linker of Example 1C using different solvent systems at pH 7.4 PBS and acetonitrile and pH 5 buffer (TEEA)

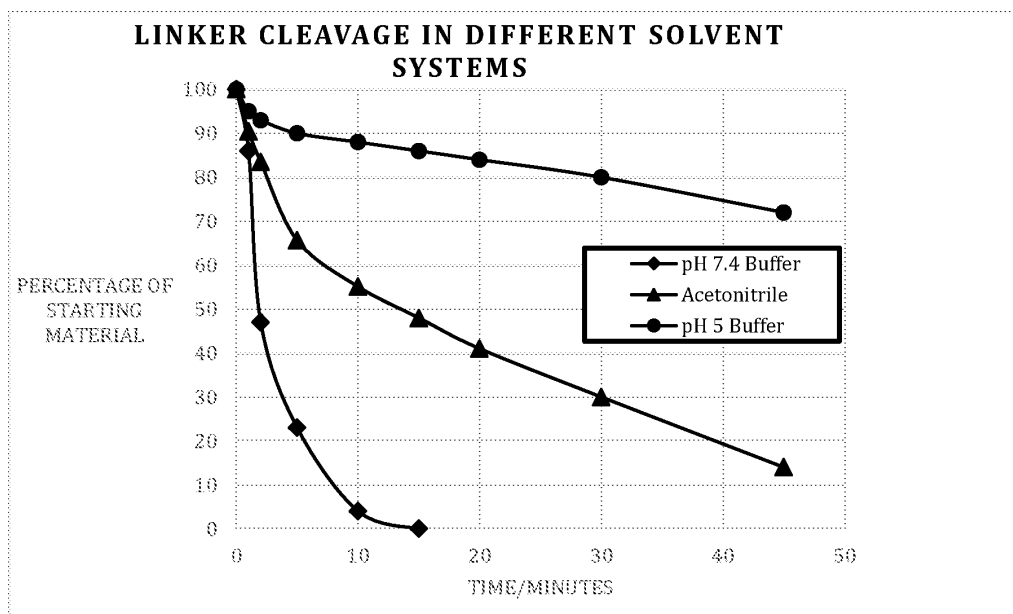


Figure 3: Time course study results for deprotected linker of Example 1C using different ratios of PBS:MeCN (acetonitrile) at 90 °C

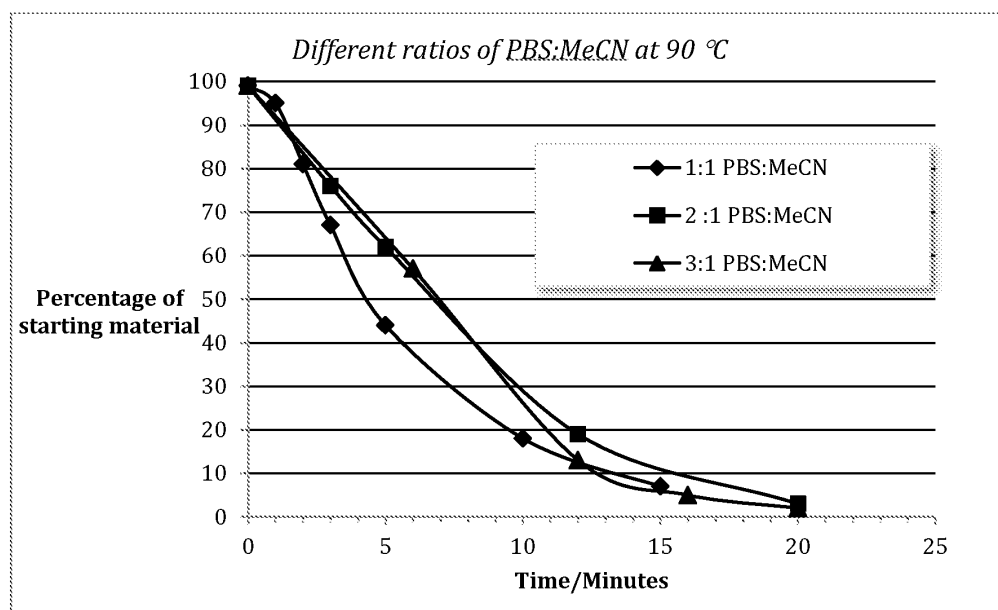


Figure 4A: Time course study results for deprotection and cleavage of Bsmoc-protected linker of Example 2

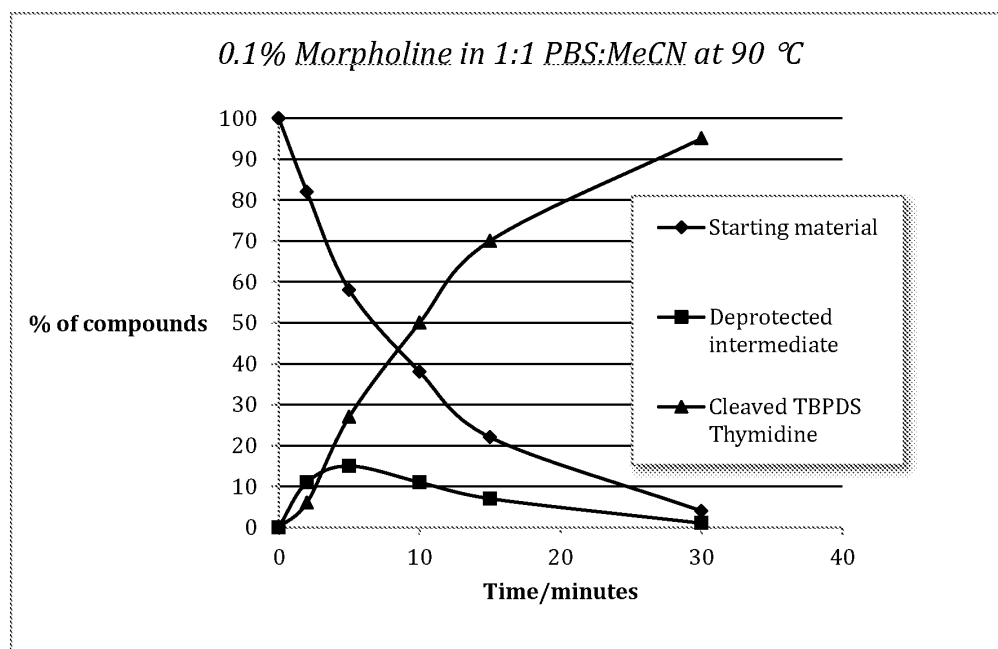


Figure 4B: Time course study results for deprotection of Bsmoc-protected linker of Example 2 at room temperature and 90 °C

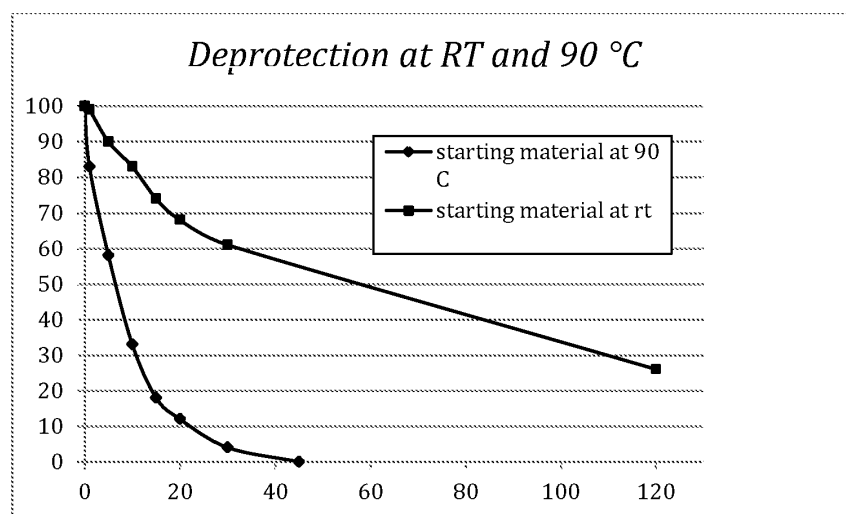


Figure 4C: Cleavage of TBPDS-Thymidine from Bsmoc-protected linker with Morpholine (0.1% in acetonitrile) at 90 °C and at RT (formation and cleavage of deprotected intermediate not shown)

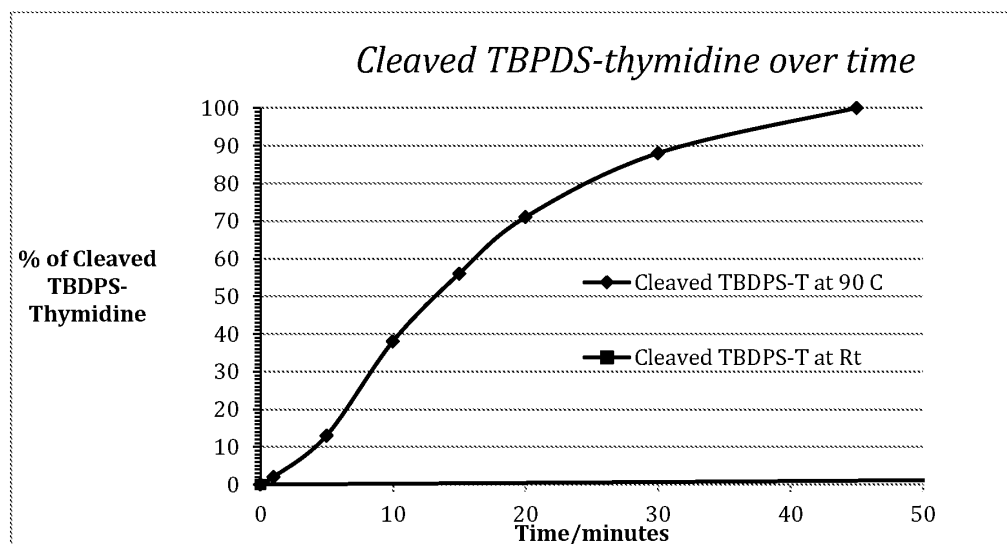


Figure 5: Stability study results for Bsmoc protected linker of Example 2 under different pH conditions at 80 °C

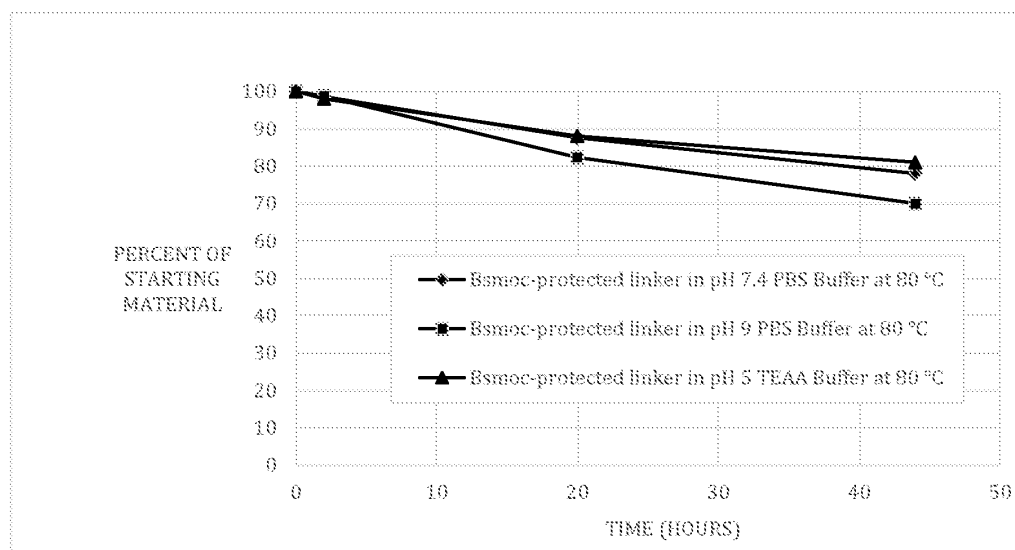


Figure 6: Stability study results for Fmoc-protected linker of Example 3 using 0.1% piperidine under different temperature conditions (room temperature vs 90 °C)

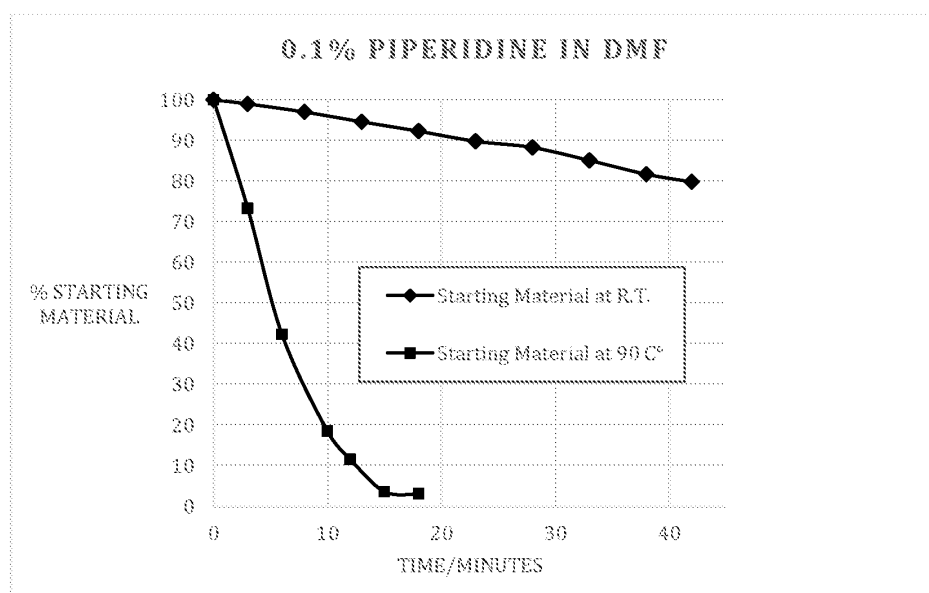


Figure 7: Stability study results for Fmoc-protected linker of Example 3 using 10% diisopropylamine under different temperature conditions (room temperature vs 90 °C)

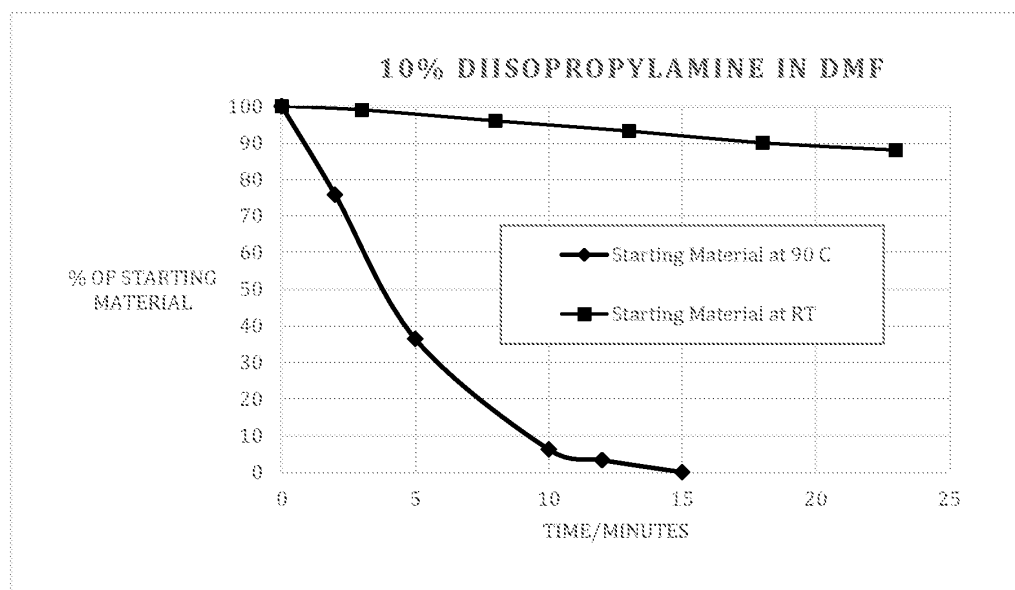


Figure 8: Stability study results for Fmoc-protected linker of Example 3 using 10% diisopropylamine at 90 °C using different solvents (DMF vs acetonitrile)

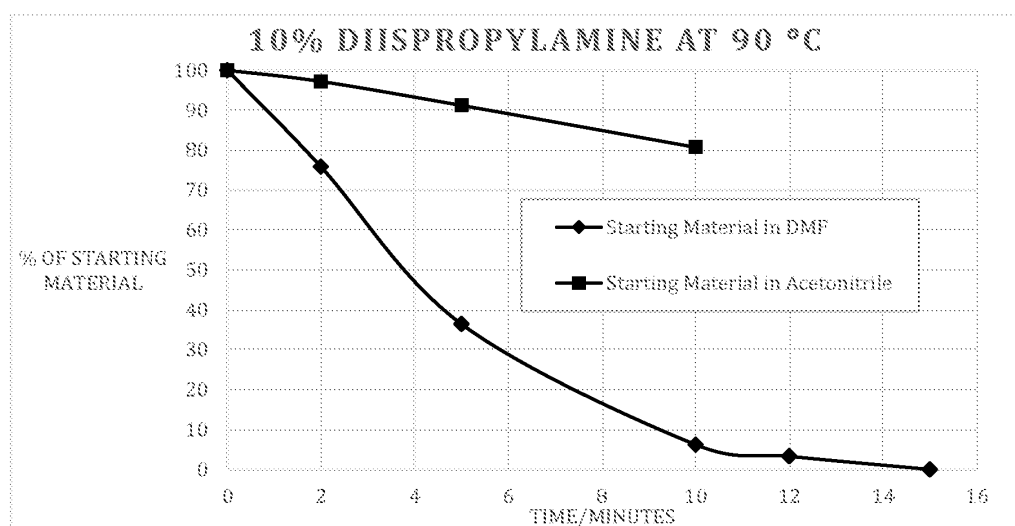


Figure 9: Stability study results for Fmoc-protected linker of Example 3 using 20% diisopropylamine in 2:1 DMF:CAPS buffer at different temperatures 10 °C vs 90 °C

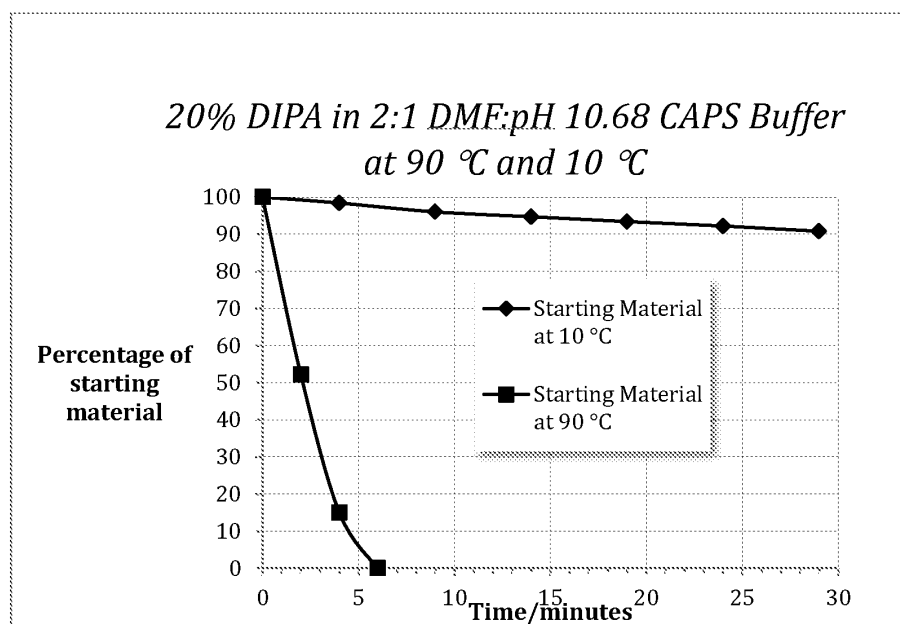


Figure 10: Cleavage of deprotected linkers of Examples 1C and Example 4C

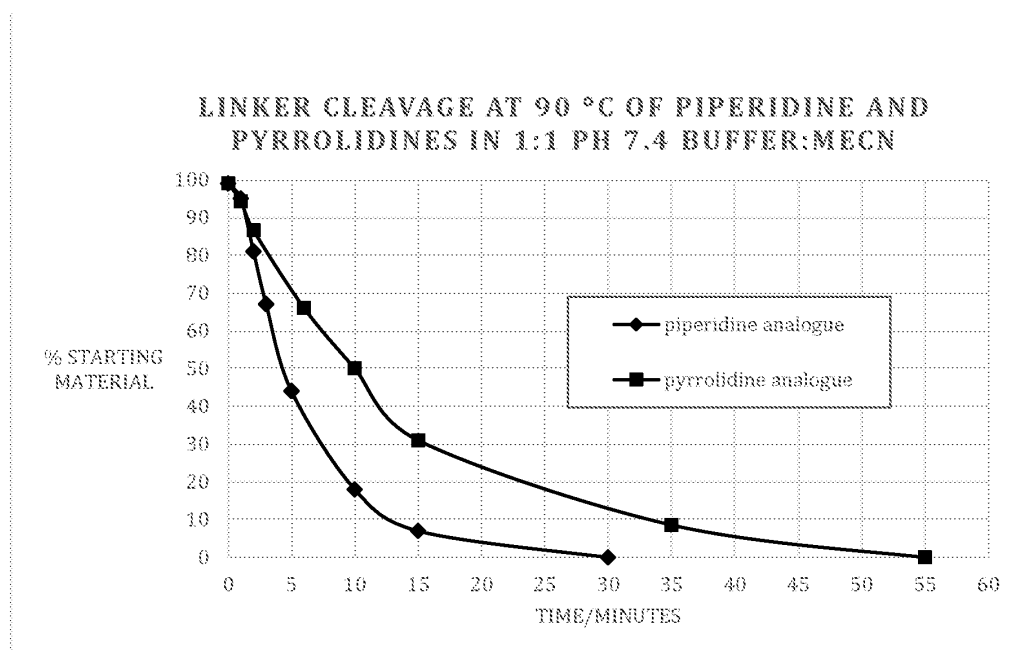


Figure 11: Stability study results for Example 4C at 90 °C in different solvent systems

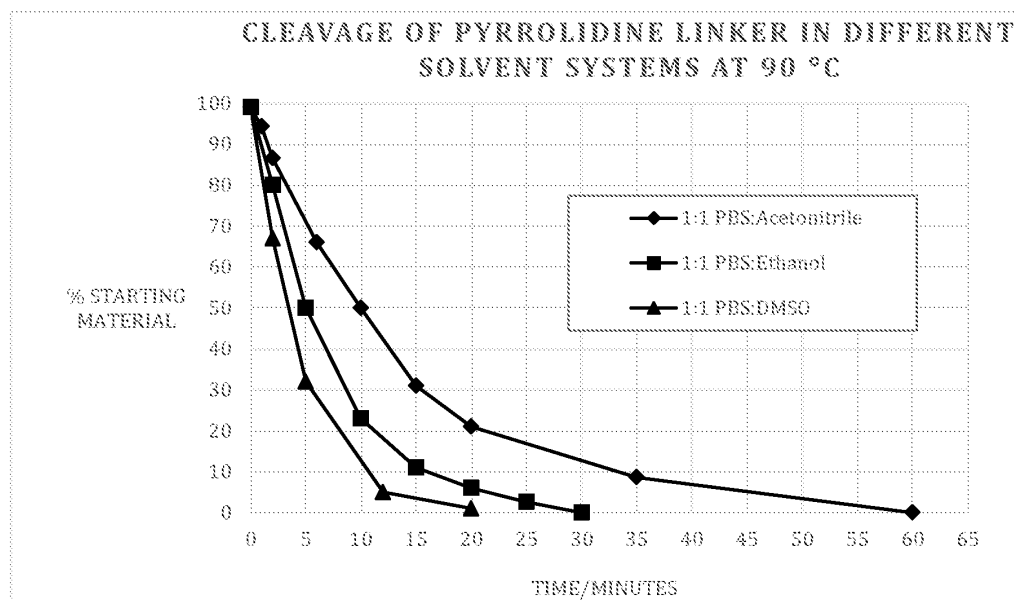


Figure 12: Time course study results for deprotection of Boc-protected linker (Compound of Example 1B)

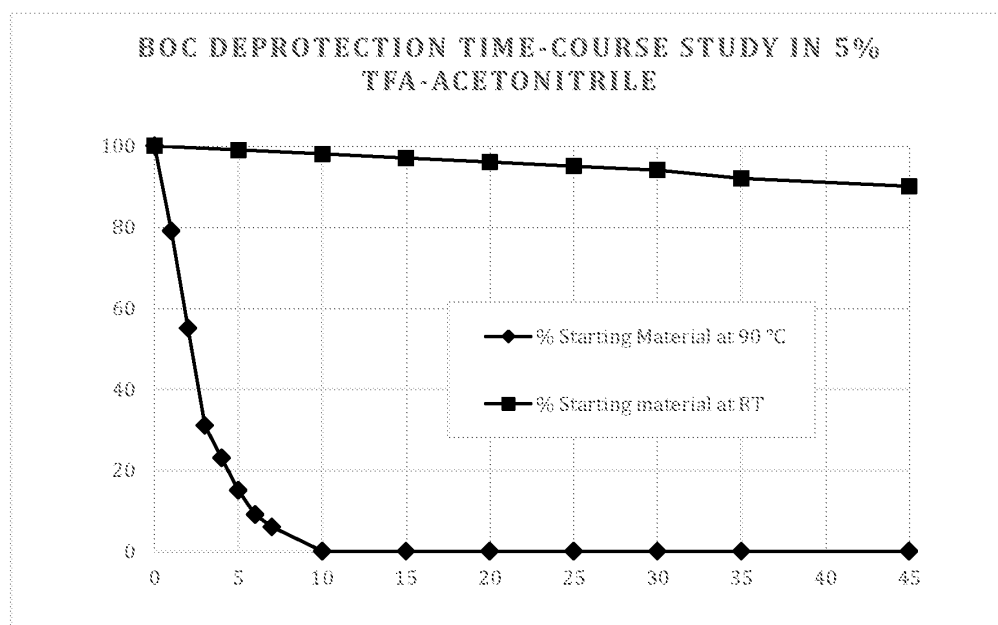


Figure 13: Time-course study on the non-protected α -Phenyl Safety-Catch Linker (compound of Example 6D)

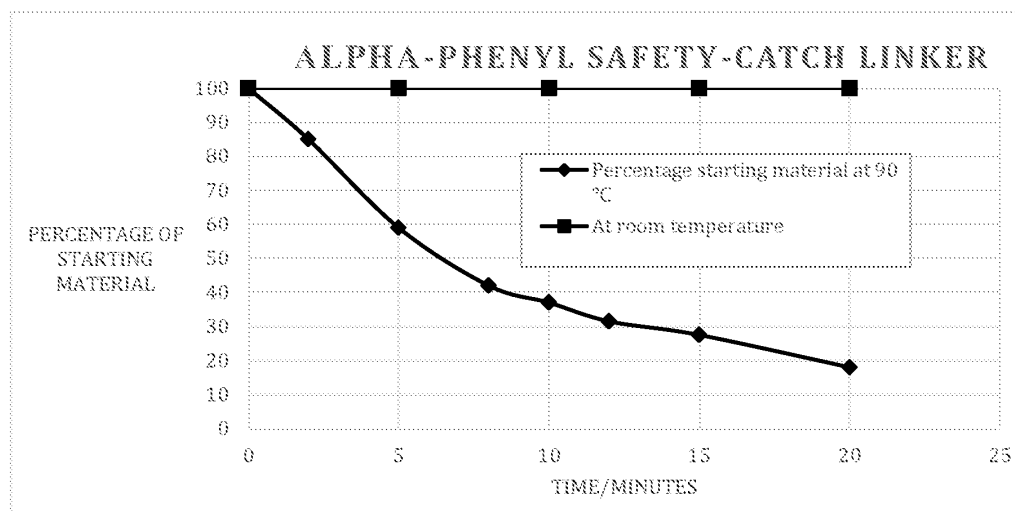


Figure 14: Time-course study on cleavage of non-protected Double Safety-Catch Linker (Compound of Example 8C) vs Single Safety-Catch Linker (Compound of Example 1C)

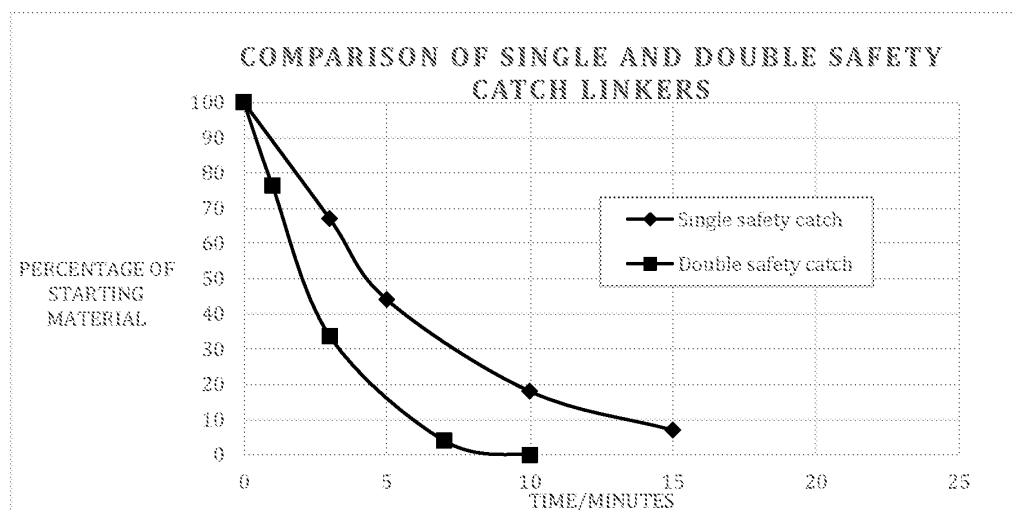


Figure 15: Time-course Study on the non-protected 5'-linked 3' O-Acetyl-Thymidine (Compound of Example 13B)

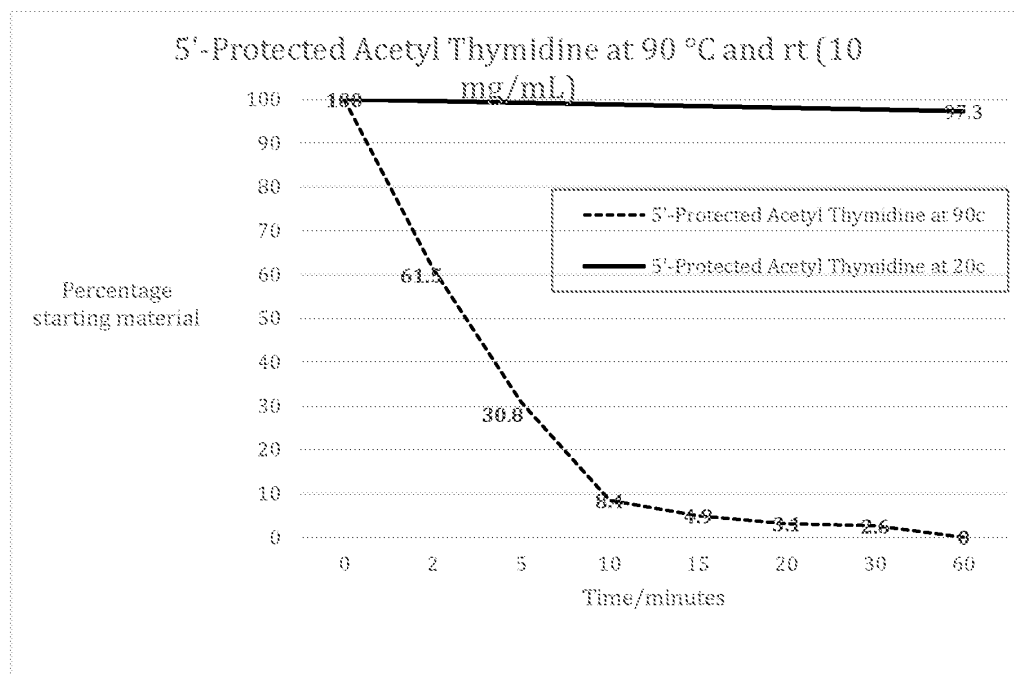


Figure 16

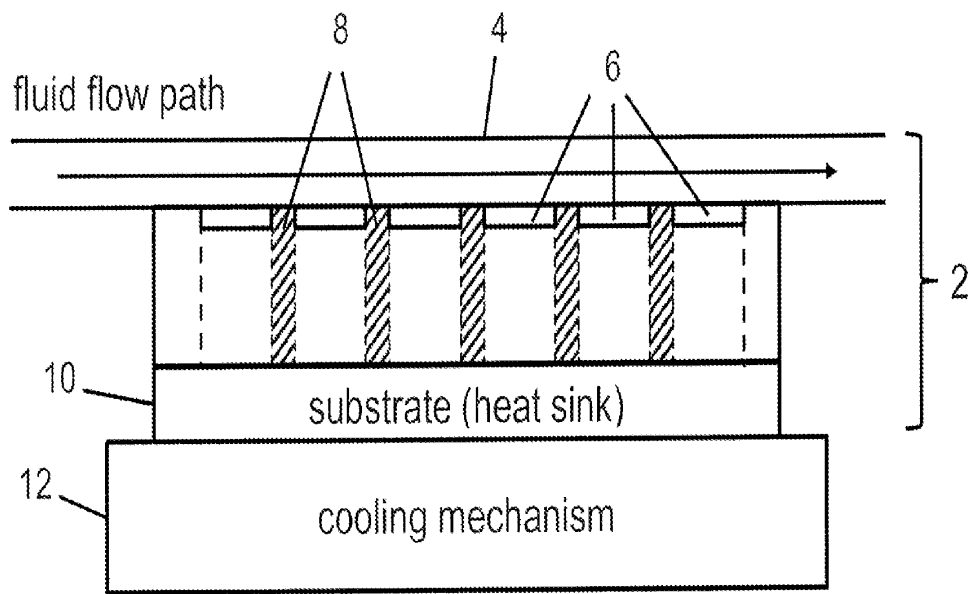


Figure 17

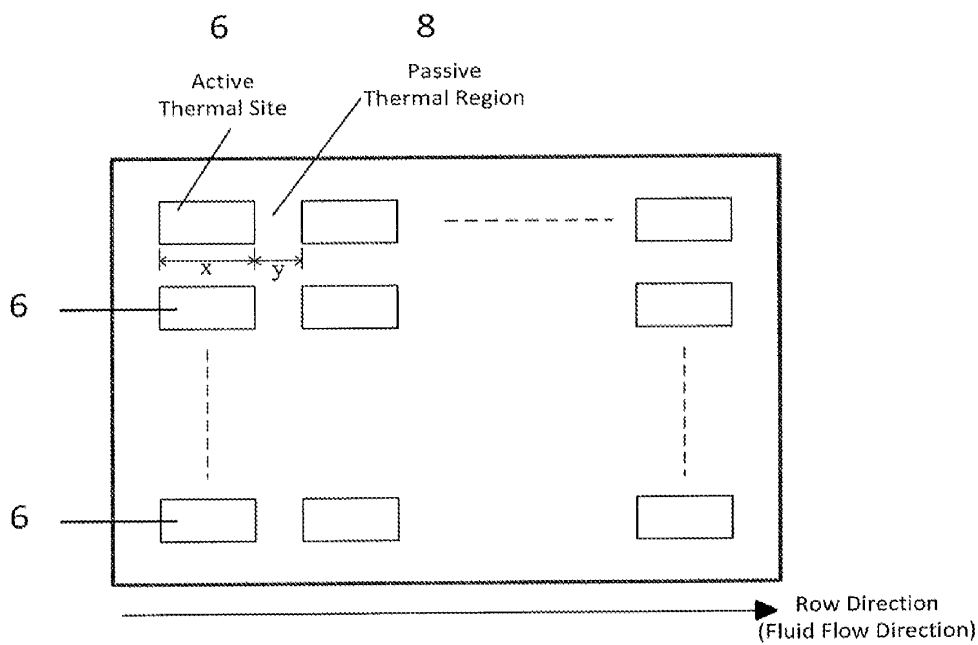


Figure 18

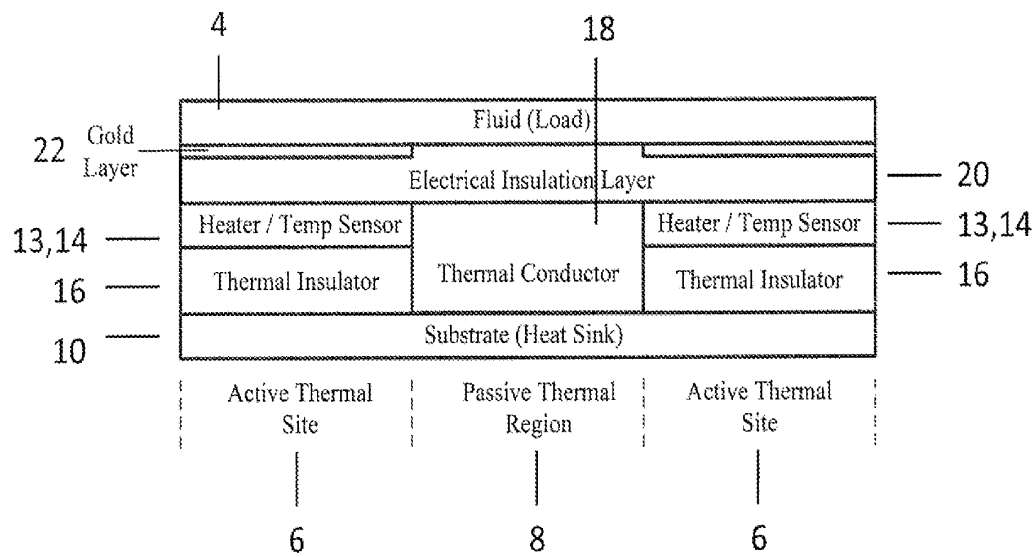


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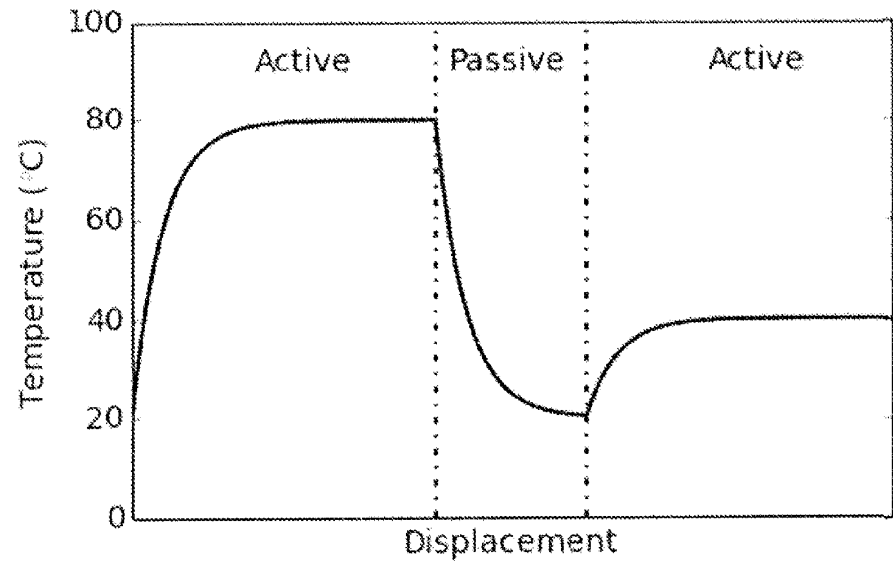


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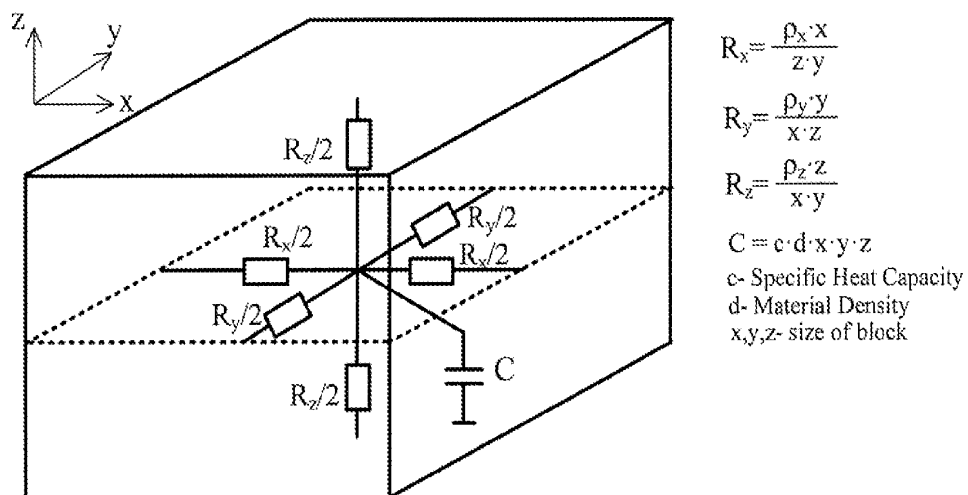


Figure 21

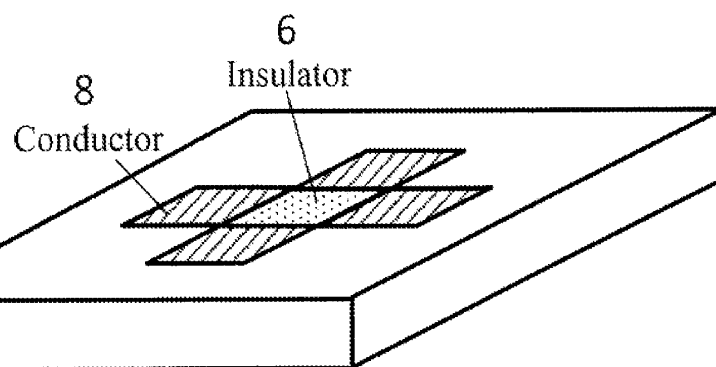


Figure 22

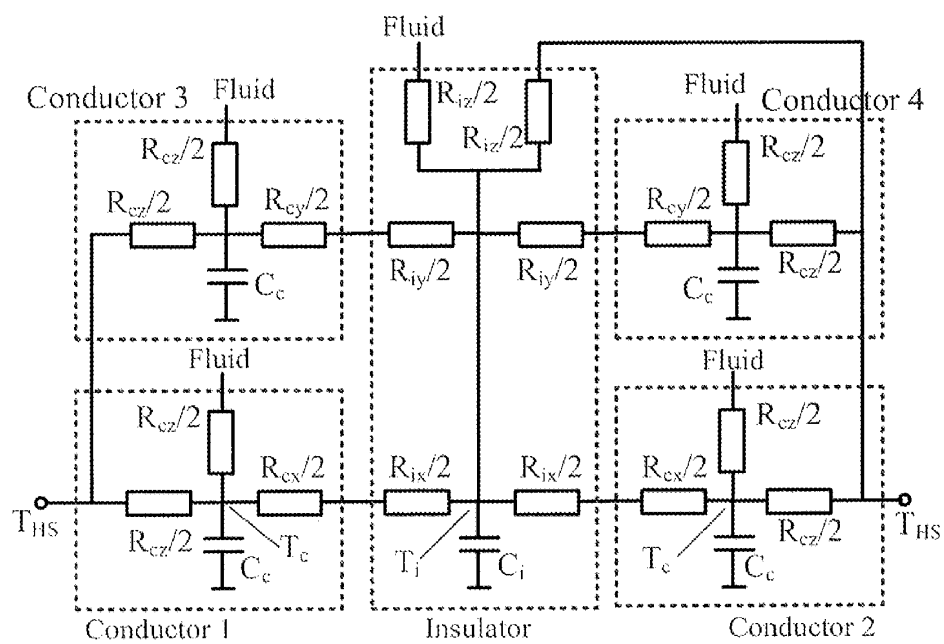


Figure 23

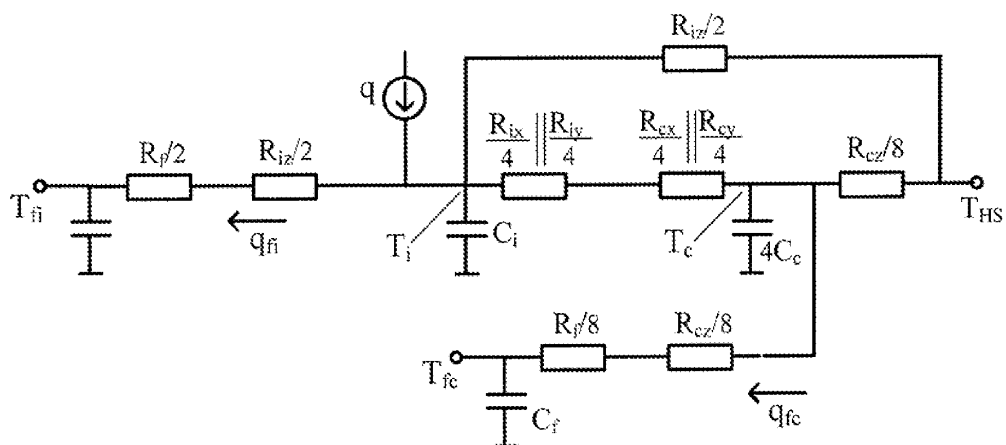


Figure 24

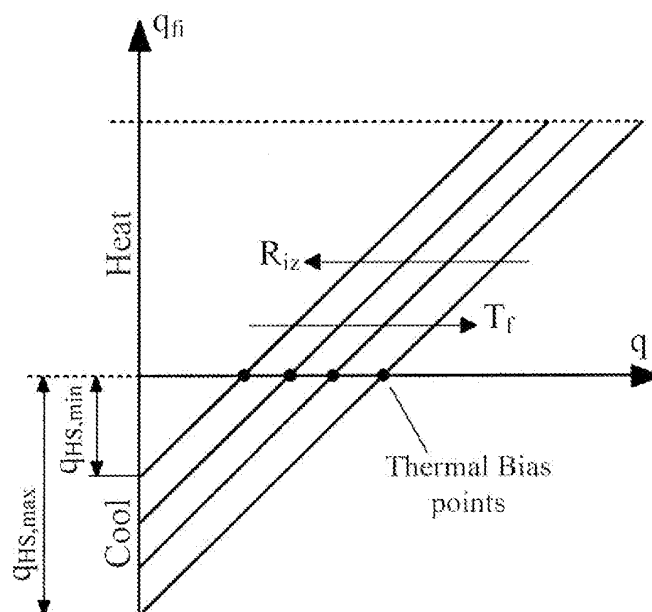


Figure 25

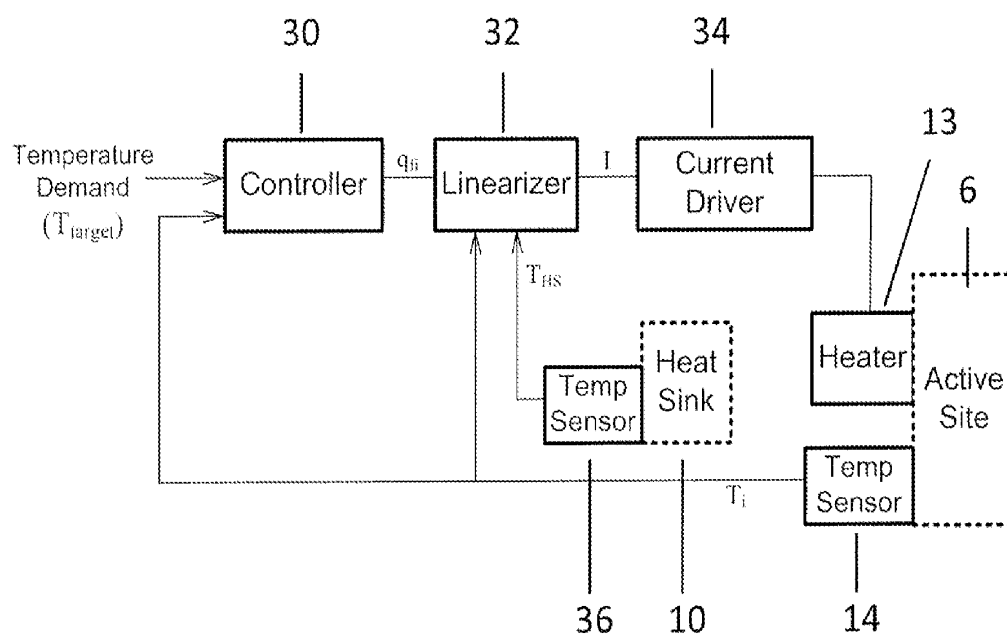


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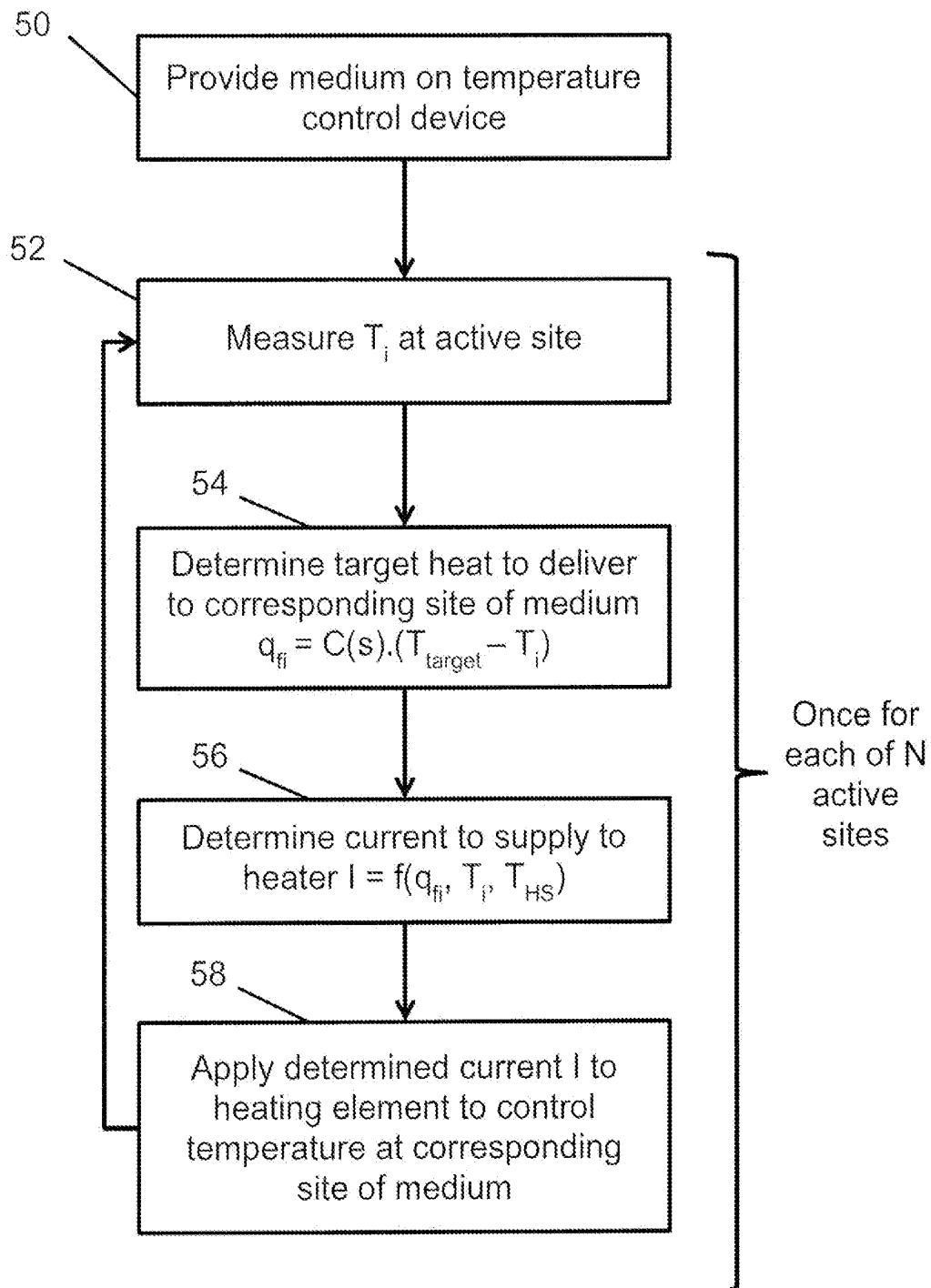


Figure 27

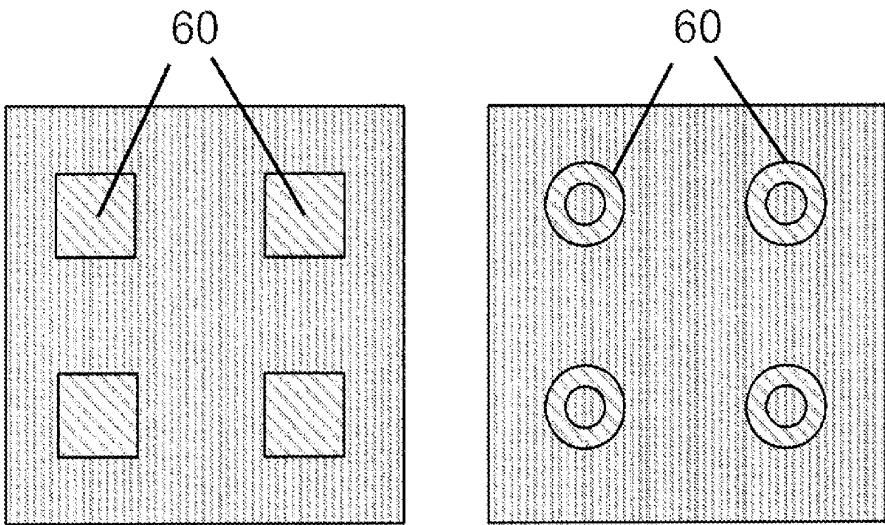


Figure 28

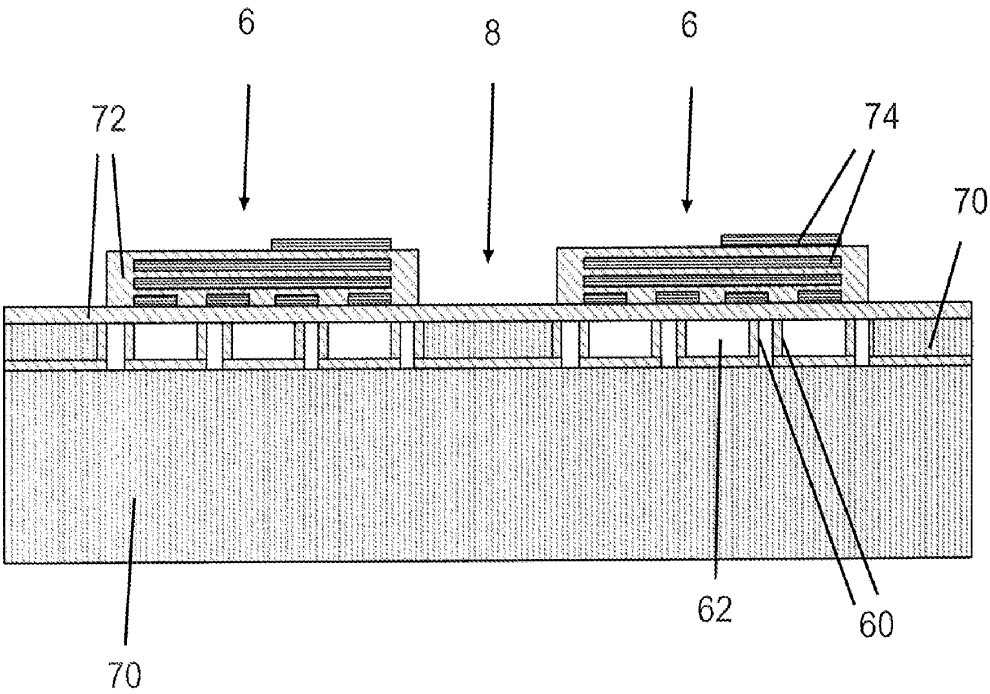


Figure 29

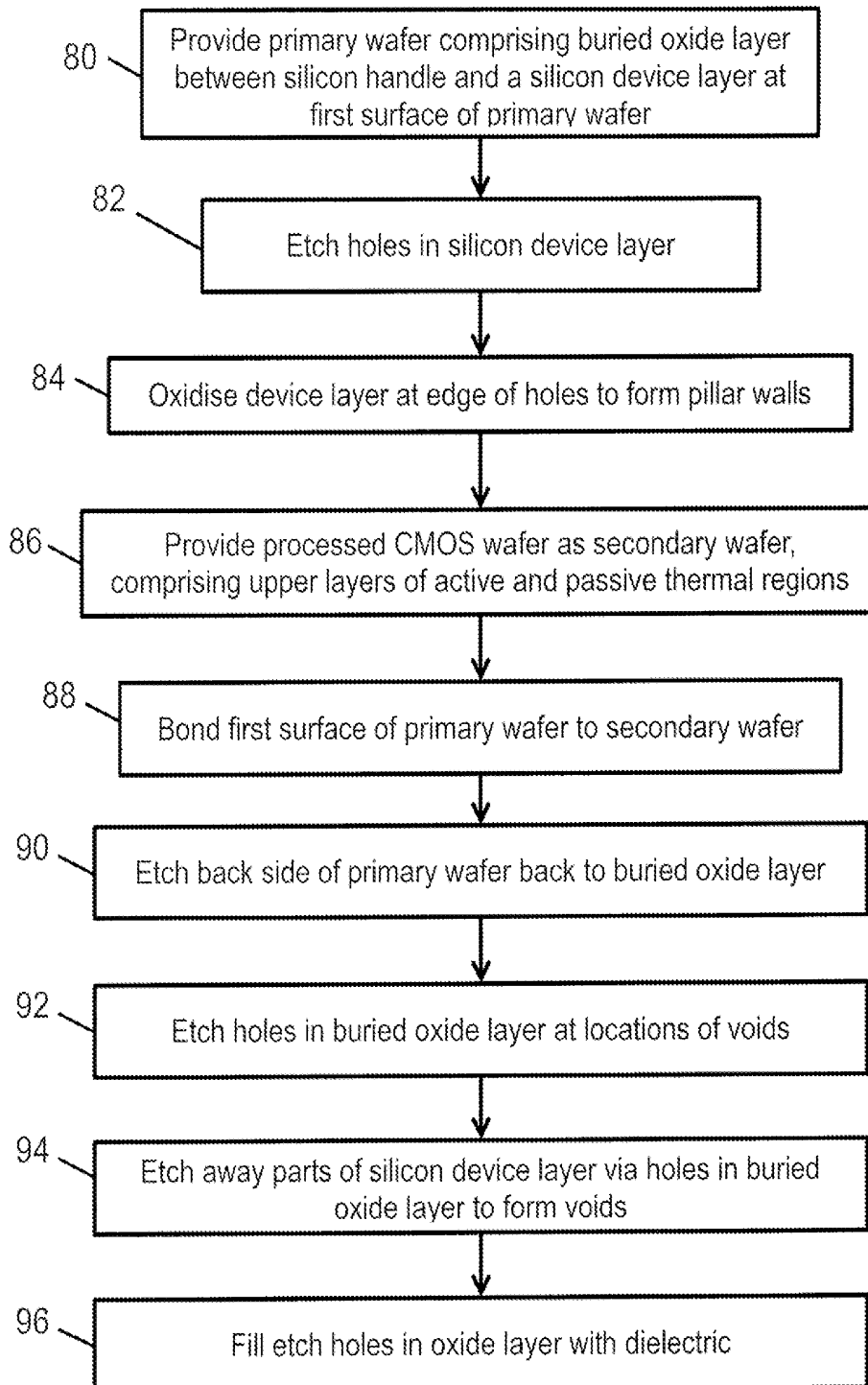


Figure 30

