

Operation 8: Heteronitrogen substitution $[cH:1]>>[n:1]$ **Operation 9: Furan exchange** $[c\&r5:1][s\&r5][c\&r5:2]>>[c\&r5:1][o\&r5][c\&r5:2]$ **Operation 10: Pyrrole exchange** $[s\&r5:1]>>[nH:1]$ **Operation 11: Fluorination** $[cH\&r6:1]>>[c:1][F]$ **Operation 12: Side chain on backbone** $[cH:1]>>[c:1]C$ **Operation 13: Side chain on linker** $[#6,#7:1][CH2:2][\#6,\#7:3]>>[\#6,\#7:1][CH:2](C)[\#6,\#7:3]$ 