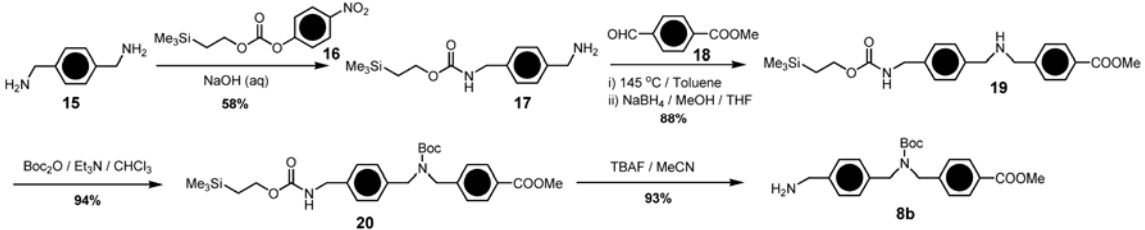
H2N
NH2
15
Me3Si
O
O
O
NO2
16
NaOH (aq)
58%
Me3Si
O
N
H
NH2
17
OHC
COOMe
18
i) 145 °C / Toluene
ii) NaBH4 / MeOH / THF
88%
Me3Si
O
O
N
H
H
N
COOMe
19
Boc2O / Et3N / CHCl3
94%
Me3Si
O
O
N
H
Boc
N
COOMe
20
TBAF / MeCN
93%
H2N
Boc
N
COOMe
8b