



1.

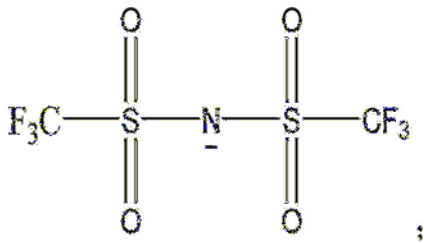
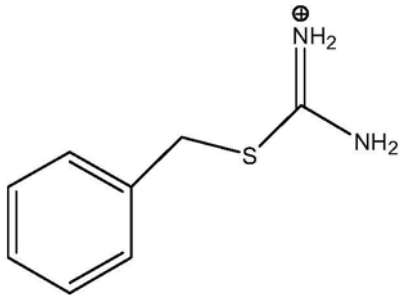
20 70

pH 2 12

1 100:1

S

S



S

S

30min

3

60

24h

S

99

2.

1

10 20mL

0.01 3mol /L

0.5

1mL

S

30 pH 2 10

1min

98

3.

2

C

/

(1)

(2)

(3)

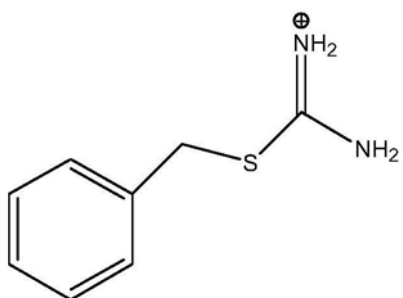
1 100:1

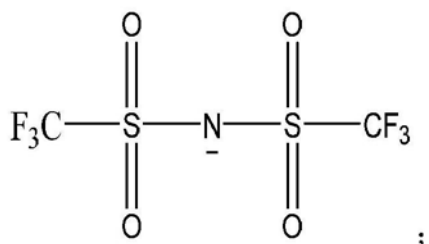
20 70

pH 2 12

S

S





S

S

99

3 60 30min 24h S

1mL 1min S 10 20mL 0.01 3mol /L 30 pH 2 10 0.5

98

C

1 1 S

<sup>1</sup>H NMR

30min 24h S 1 2 25mL 10mL 2mol /L 30 pH 3 0.5mL 1min S 99 3 60

3 25mL 10mL 2mol /L 30 pH 3 C 0.5mL 1min S

C

99

3

1

1

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