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(21) 201710120146 .3

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(65)
CN 106928291 A

(43) 2017 .07 .07

(73)
453007
46

(72)

(74)
41107

(51)Int .Cl .
C07H 17/07(2006 .01)
C07H 1/00(2006 .01)

(56)
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(54)

(57)

70_100
HPLC

1.

183 Kg 3.9 Kg 457 Kg 66 Kg

90 1500 r/min

90 6 h HPLC

pH=5

90 Kg 174.7 Kg

95.5% 94.5%

[0001]

[0002] Troxerutin 3',4',7- [O-2-] 3',4',7- [O-(2-)-5 -3]-

5-

[0003]

Williamson

[0004]

[0005] -

, 1977, 8-9: 68 1979 12

C_3' C_4'

pH

70 % CN 1056850C 2011

75 61 % 141 %

, 2011, 39(3):

89-91 2013 75

Chinese Chemical Letters, 2013, 24: 223-226

62 % ,

, 2004: 1790

CN 103113437A

CN 103601772A

[0006]

[0007]

[0008]

[0009] 1

70_100

[0010] 2 HPLC

[0011] 1

[0012] 1

1:5_8:0.005_0.2 1:1.5_5

[0013] 1 3_7 h

[0014] 1 200 V 1500 r/min

[0015] 2 pH 5_6

[0016] 2

[0017] 2 0.5_5

[0018]

[0019]

[0020]

[0021] 1

[0022] 183 Kg (300 mol) 3.9 Kg (15 mol) 732 Kg 105 Kg (2400 mol) 80 1500 r/min 80 6 h HPLC pH = 5 90 Kg 175 Kg 95.6 % 90.5 %

[0023] 2

[0024] 183 Kg (300 mol) 7.9 Kg (30 mol) 274 Kg 92 Kg (2100 mol) 70 1500 r/min 70 6 h HPLC pH = 6 180 Kg 174 Kg 95.1 % 92.8 %

[0025] 3

[0026] 183 Kg (300 mol) 15.8 Kg (60 mol) 274 Kg 105 Kg (2400 mol) 70 1500 r/min 70 3 h HPLC pH = 5 400 Kg 176 Kg 96.2 % 93.4 %

[0027] 4

[0028] 183 Kg (300 mol) 0.39 Kg (1.5 mol) 732 Kg 92 Kg (2100 mol) 90 1500 r/min 90 7 h HPLC pH = 6 300 Kg 175.5 Kg 95.9 % 94.3 %

[0029] 5

[0030] 183 Kg (300 mol) 3.9 Kg (15 mol) 457 Kg 79 Kg (1800 mol) 90 1500 r/min 90 5 h HPLC pH = 5 200 Kg 177.2 Kg 96.8 % 91.3 %

[0031] 6

[0032] 183 Kg (300 mol) 3.9 Kg (15 mol) 915 Kg 92 Kg (2100 mol) 80 1500 r/min 80 6.5 h HPLC pH = 6 300 Kg 177.9 Kg 97.2 % 93.8 %

[0033] 7

[0034] 183 Kg (300 mol) 15.8 Kg (60 mol) 732 Kg 79 Kg (1800 mol) 80 1500 r/min 80 4 h HPLC pH = 5 200 Kg 178.3 Kg 97.4 % 92.8 %

[0035] 8

[0036] 183 Kg (300 mol) 7.9 Kg (30 mol) 732 Kg 66 Kg (1500 mol) 100 1500 r/min 100 5 h HPLC pH = 5 90 Kg 178.6 Kg 97.6 % 91.9 %

[0037] 9

[0038] 183 Kg (300 mol) 3.9 Kg (15 mol) 457 Kg 66 Kg (1500 mol) 90 1500 r/min 90 6 h HPLC pH = 5 90 Kg 174.7 Kg 95.5 % 94.5 %

[0039] 10

[0040] 183 Kg (300 mol) 7.9 Kg (30 mol) 457 Kg 105 Kg (2400 mol) 75 1500 r/min 75 4.5 h HPLC pH = 6

90 Kg 178

Kg 97 .3 % 92 .2 %

[0041]