

(19)



(12)

(10)

CN 106928291 B

(45)

2020. 01. 31

(21)	201710120146.3	(56)	
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(65)			CN 103601772 A, 2014.02.26,
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	453007		anti oxidant acti vi ti es of fl avonoi ds
	46		deri vati ves, troxeruti n and 3,4,7-
(72)			tri acetoxymethoxyquerceti n. Chi nese
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	007H 1/00(2006.01)		

1

5

(54)

(57)

70_100
HPLC

CN 106928291 B

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
C₃' C₄'

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

174 Kg

95.1 %

92.8 %

180 Kg

[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	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	6.5 h HPLC	pH = 6
		300 Kg	177.9
	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	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	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	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	4.5 h HPLC	pH = 6

			90 Kg	178
Kg	97.3 %	92.2 %		
[0041]				