

Ethanol ext.

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silica gel column chromatography
which was eluted gradually
with CHCl_3 and Methanol. 8 : 2→6 : 4→5 : 5

LH-20 column
chromatography
which was eluted
Methanol.



ODS column
chromatography
which was eluted
gradually with
1%AcOH/ H_2O
and Methanol.

silica gel column
chromatography
which was eluted
gradually with
 CHCl_3 and Methanol

Compound A

Compound B

Fr.1

Fr.4

Fr.1.2

Fr.3 4

Fr.5.6

Fr.10

Compound C

Compound E

Compound D