

Supporting information

**Synthesis and evaluation of aryl-naloxamide opiate analgesics targeting truncated exon
11-associated mu opioid receptor (MOR-1) splice variants**

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and

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HPLC data on compounds 15-38.

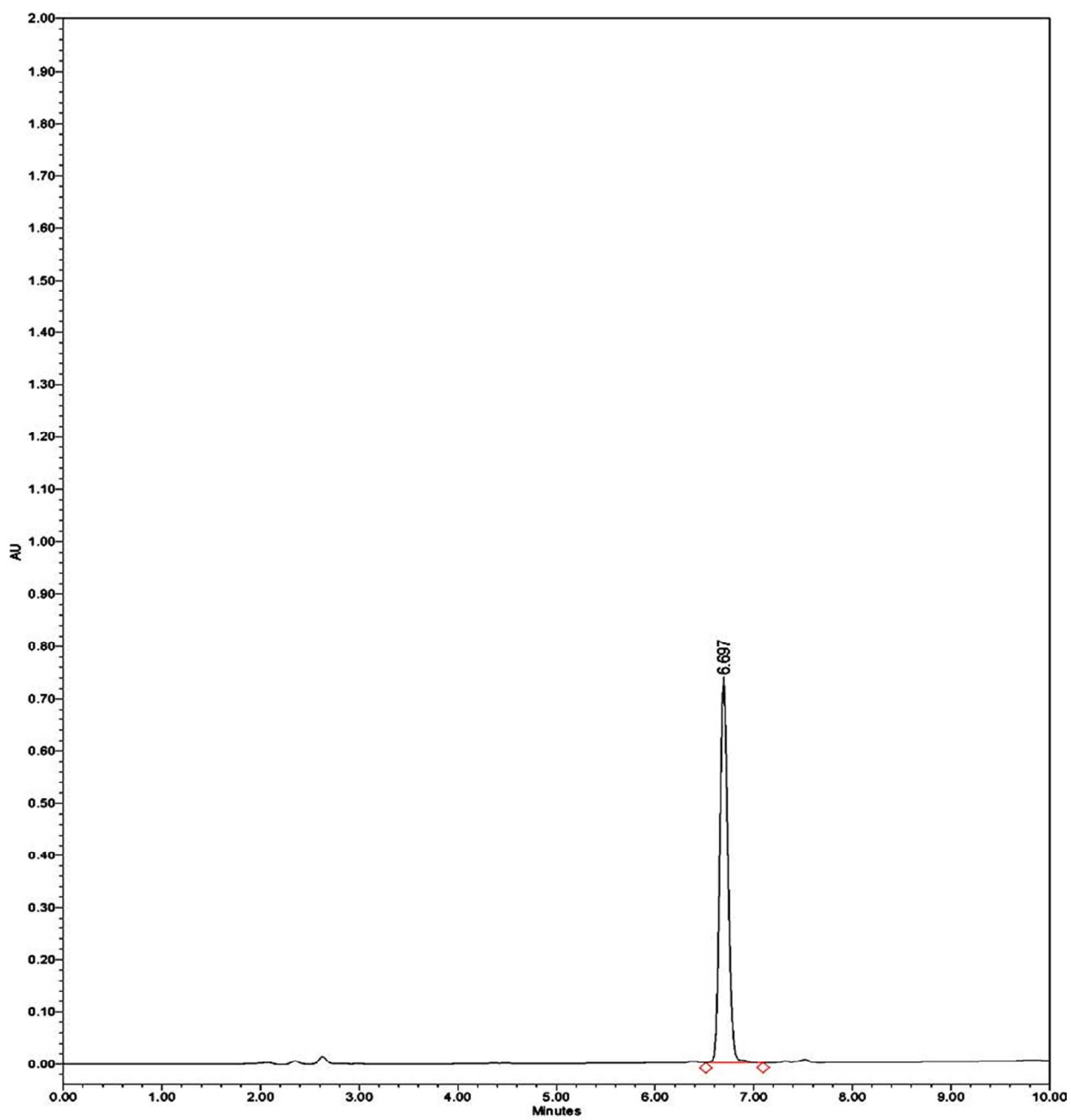
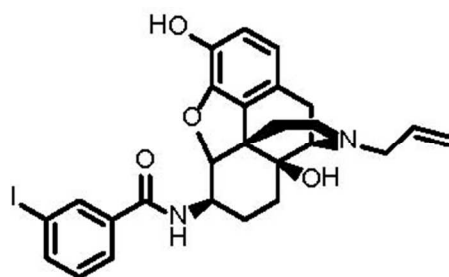
Instrument: Waters 1525 Binary HPLC pump
Waters 2484 UV-Vis detector

Column: Waters Xbridge, C18 5 μ m x 150 x 4.6 mm,
S/N 013630221140.

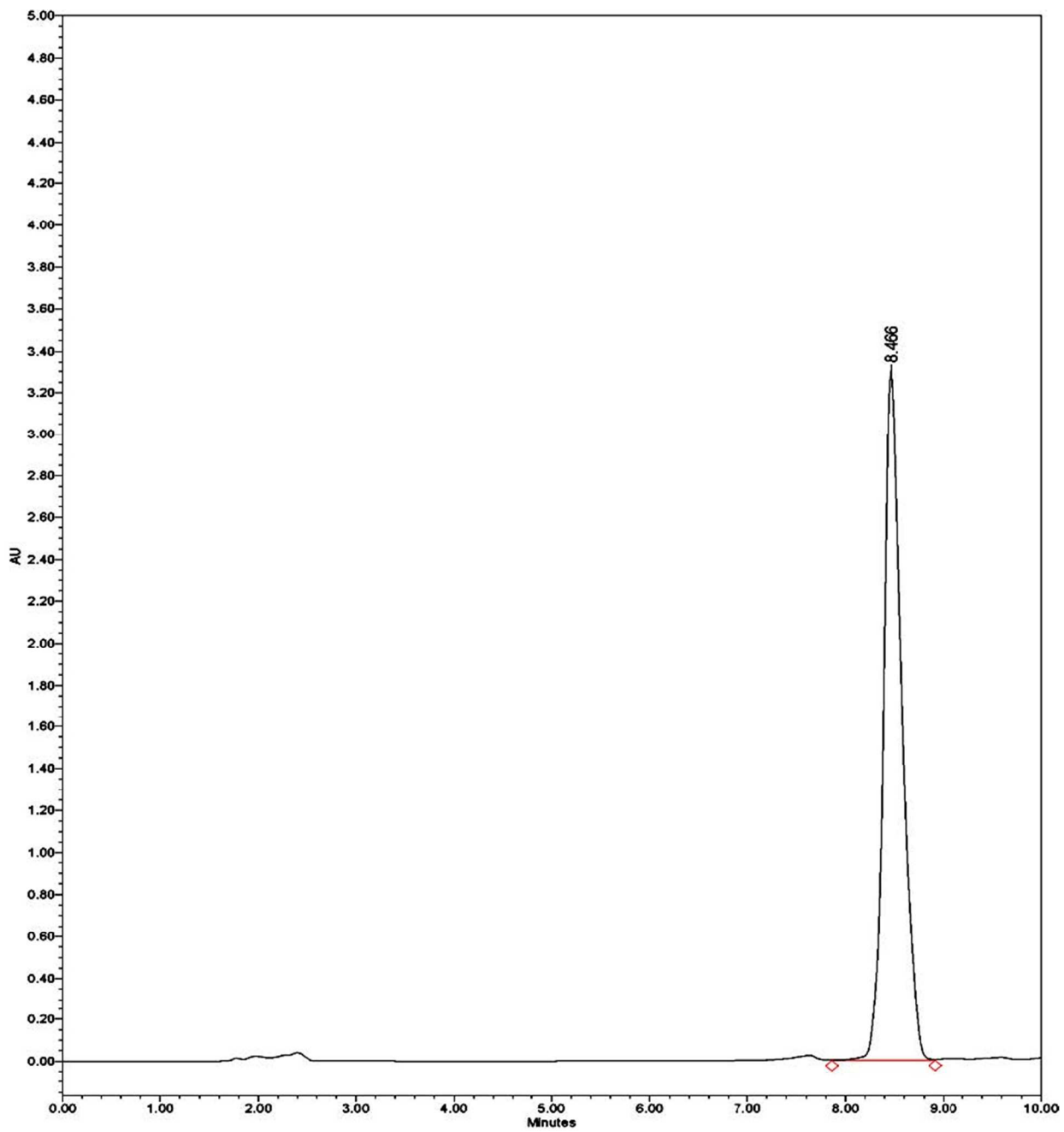
Mobile phase: 0.1%TFA in water/0.1%TFA in ACN

Flow rate: 1.0 mL/min.

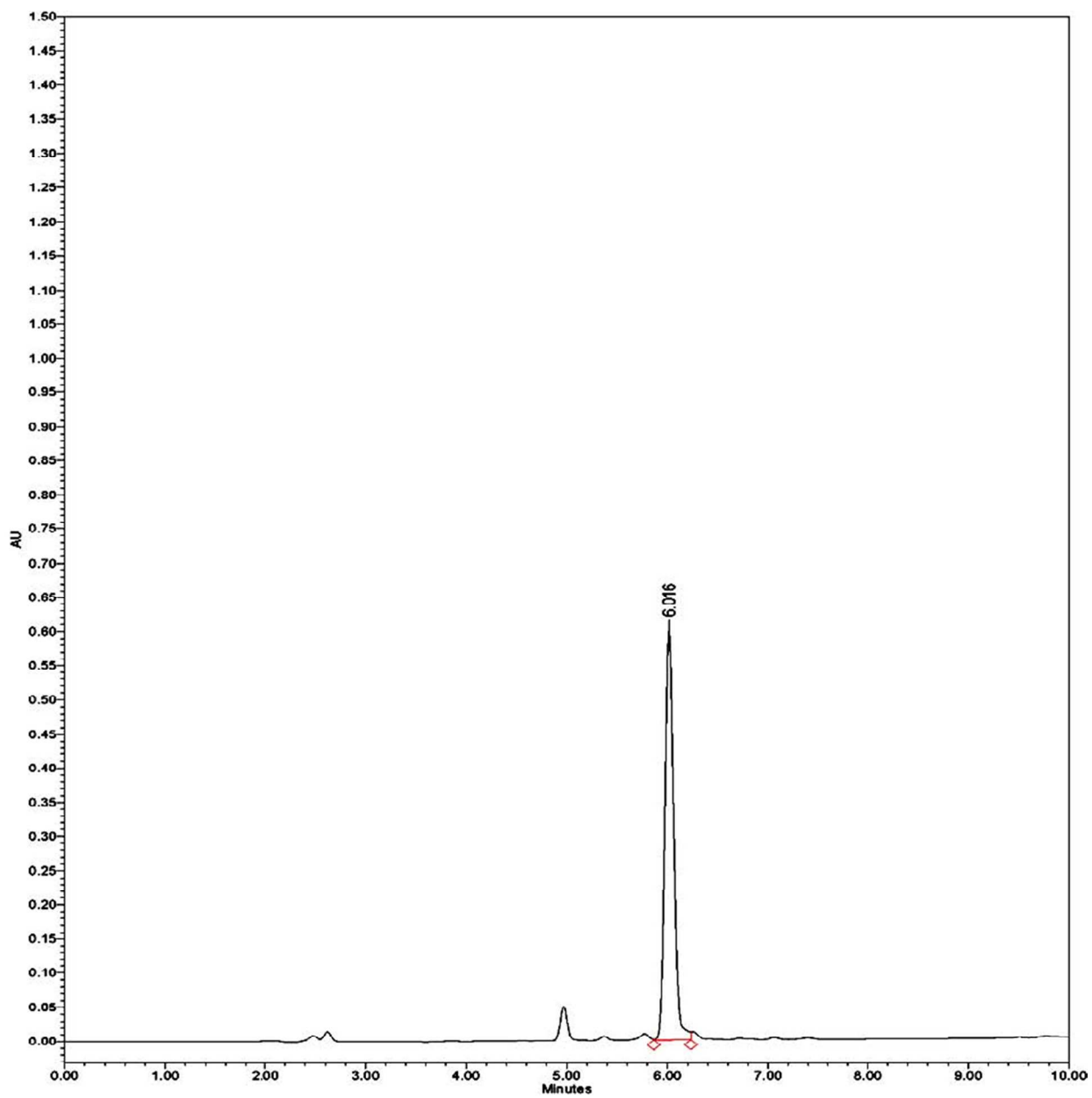
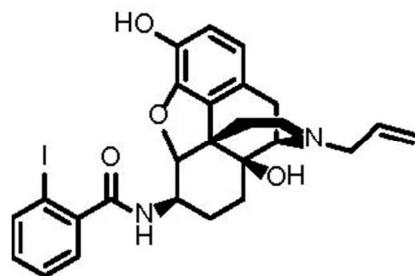
Compound 15



Compound 16

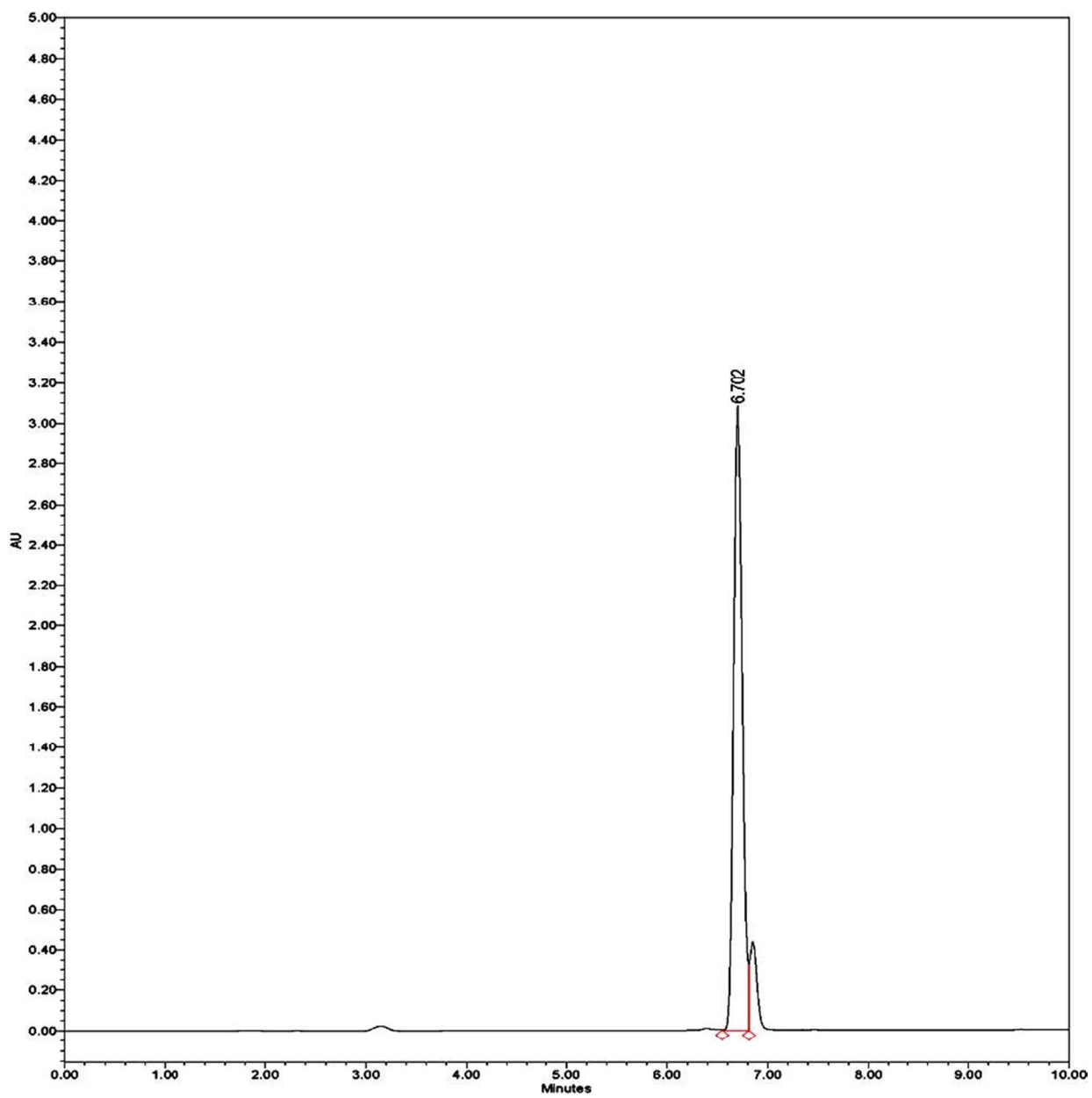
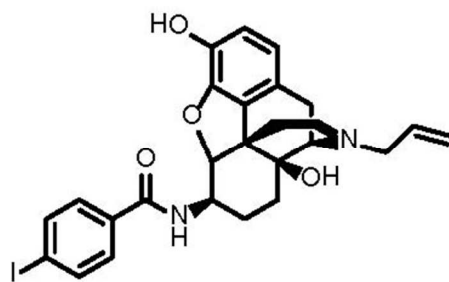


Compound 17



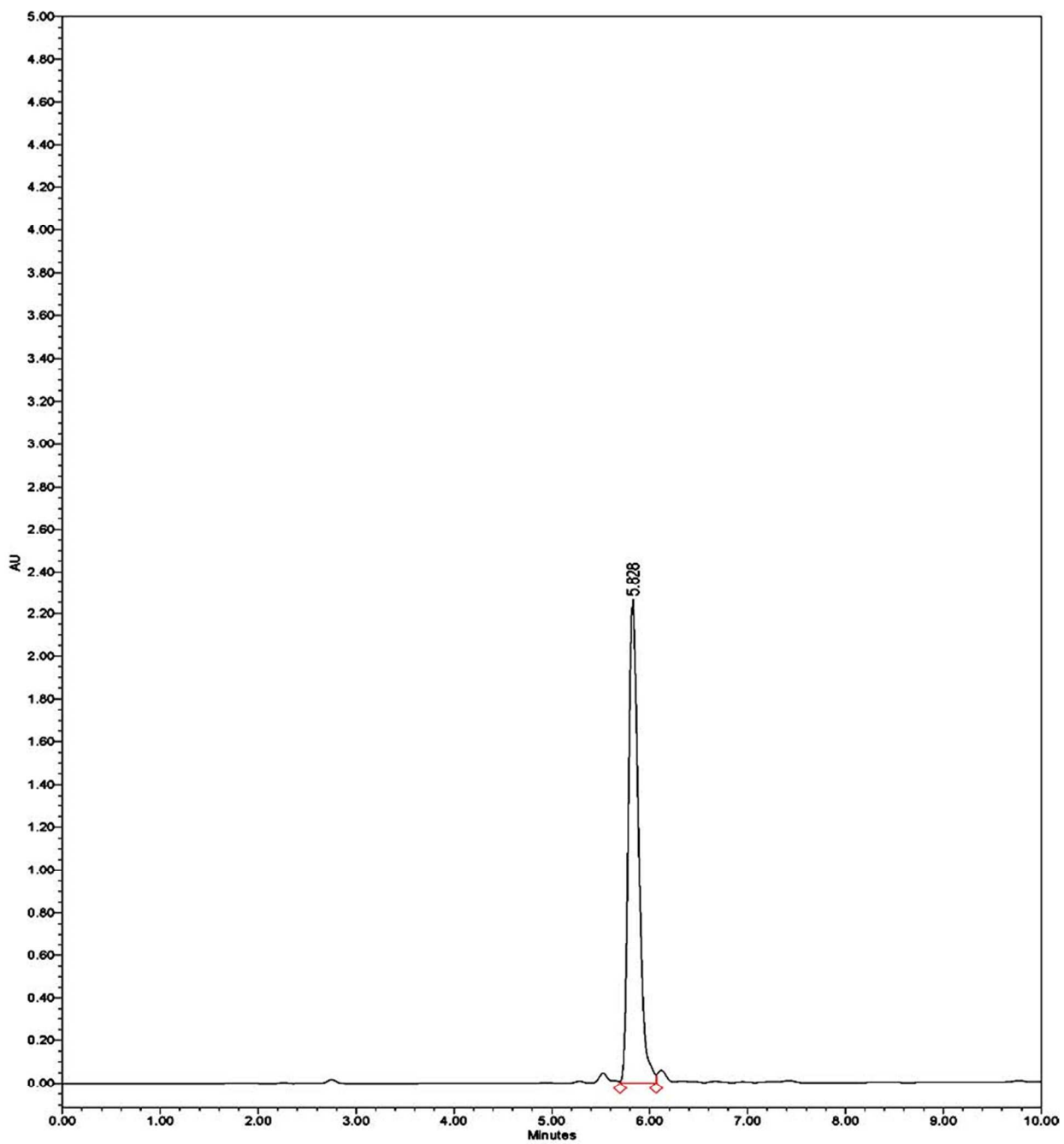
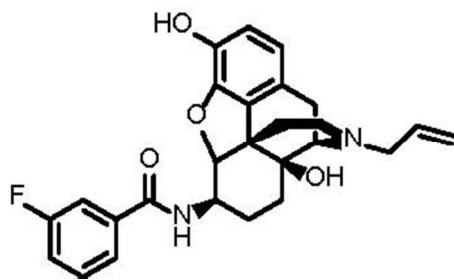
Purity: 92%

Compound 18

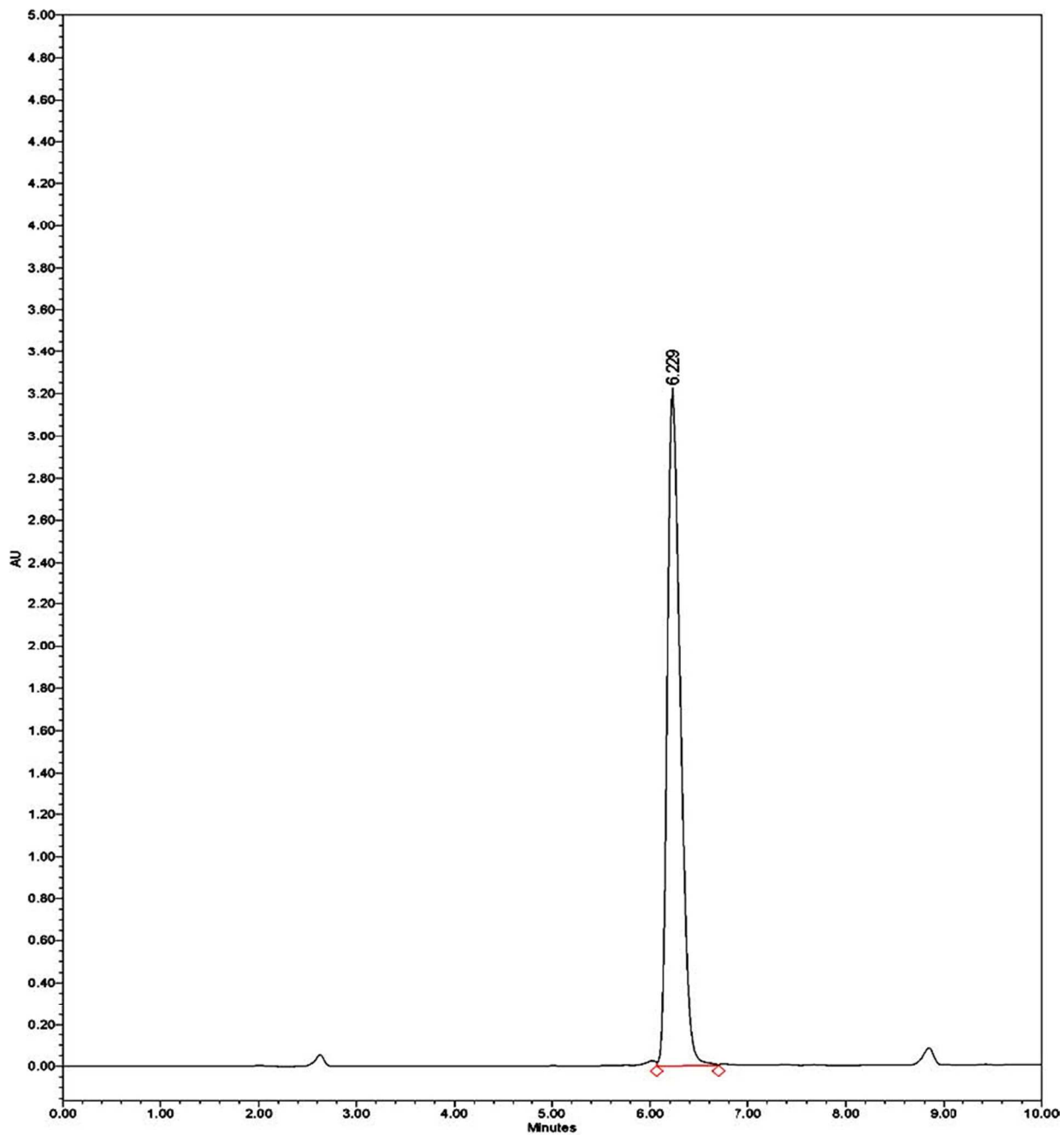


Purity: 90% Minor peak: α isomer ~10%

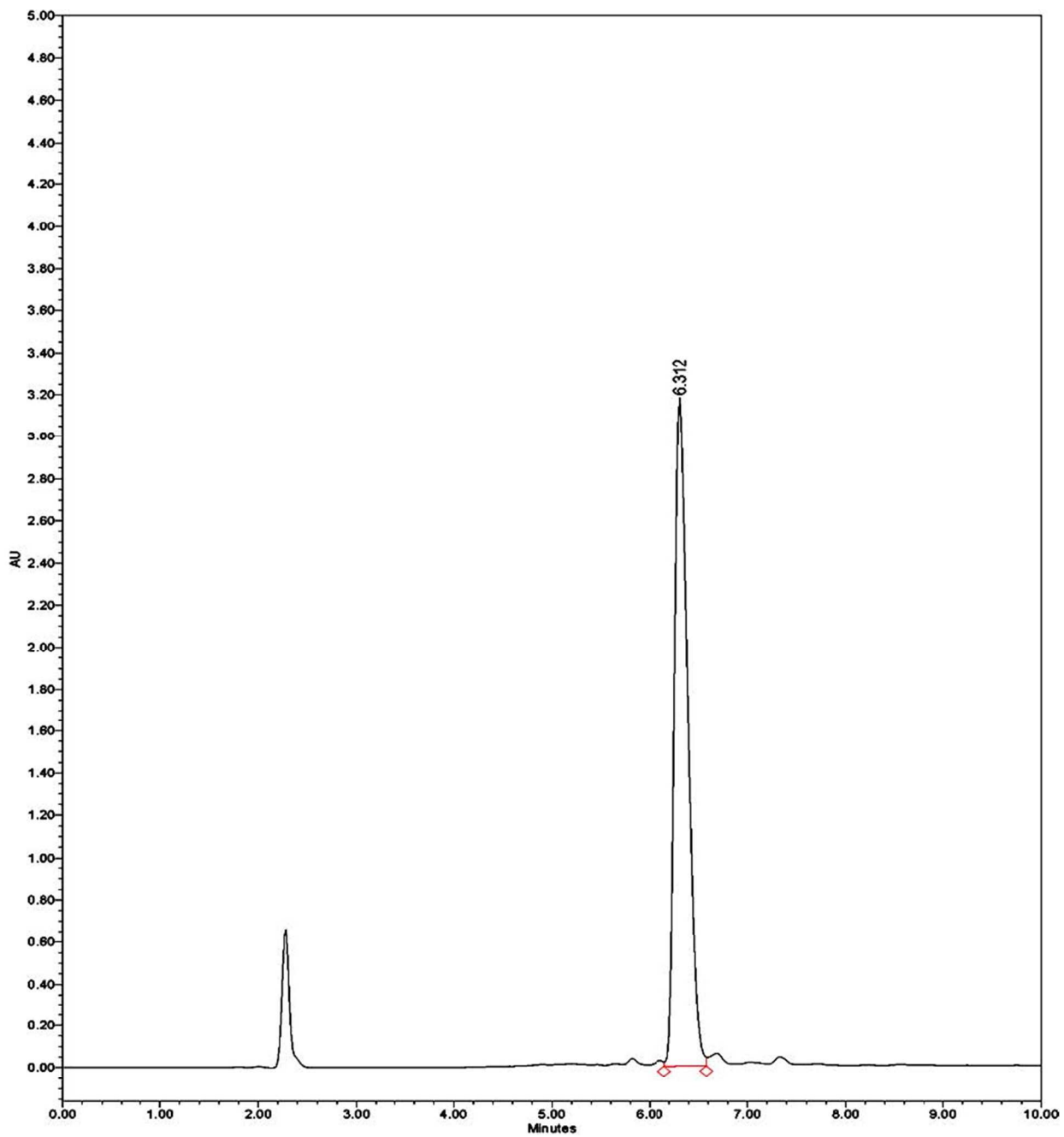
Compound 19



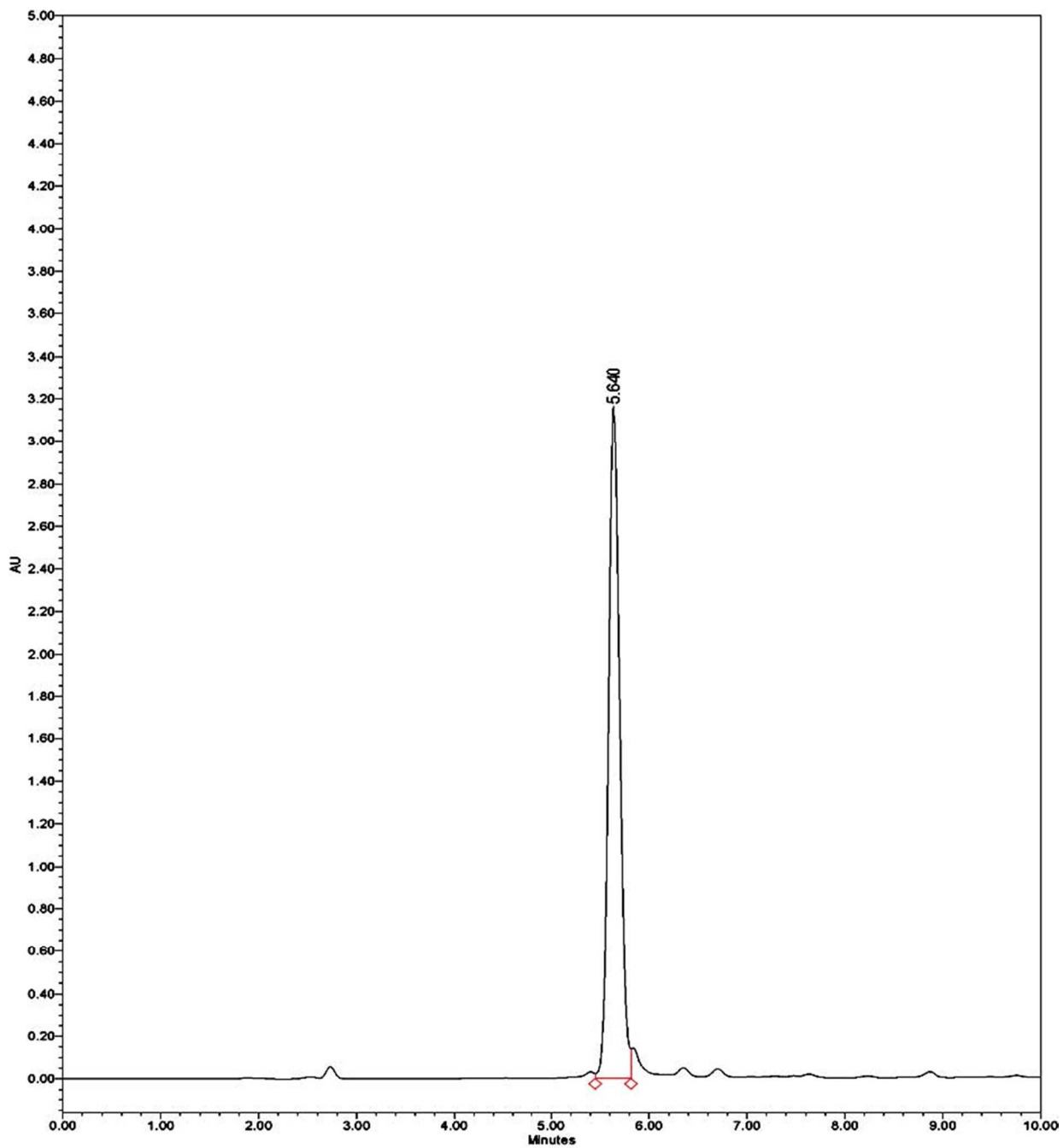
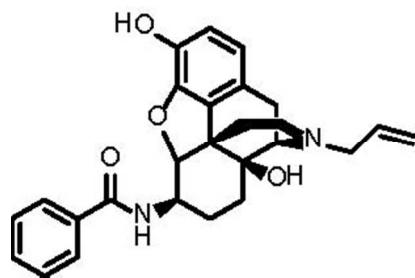
Compound 20



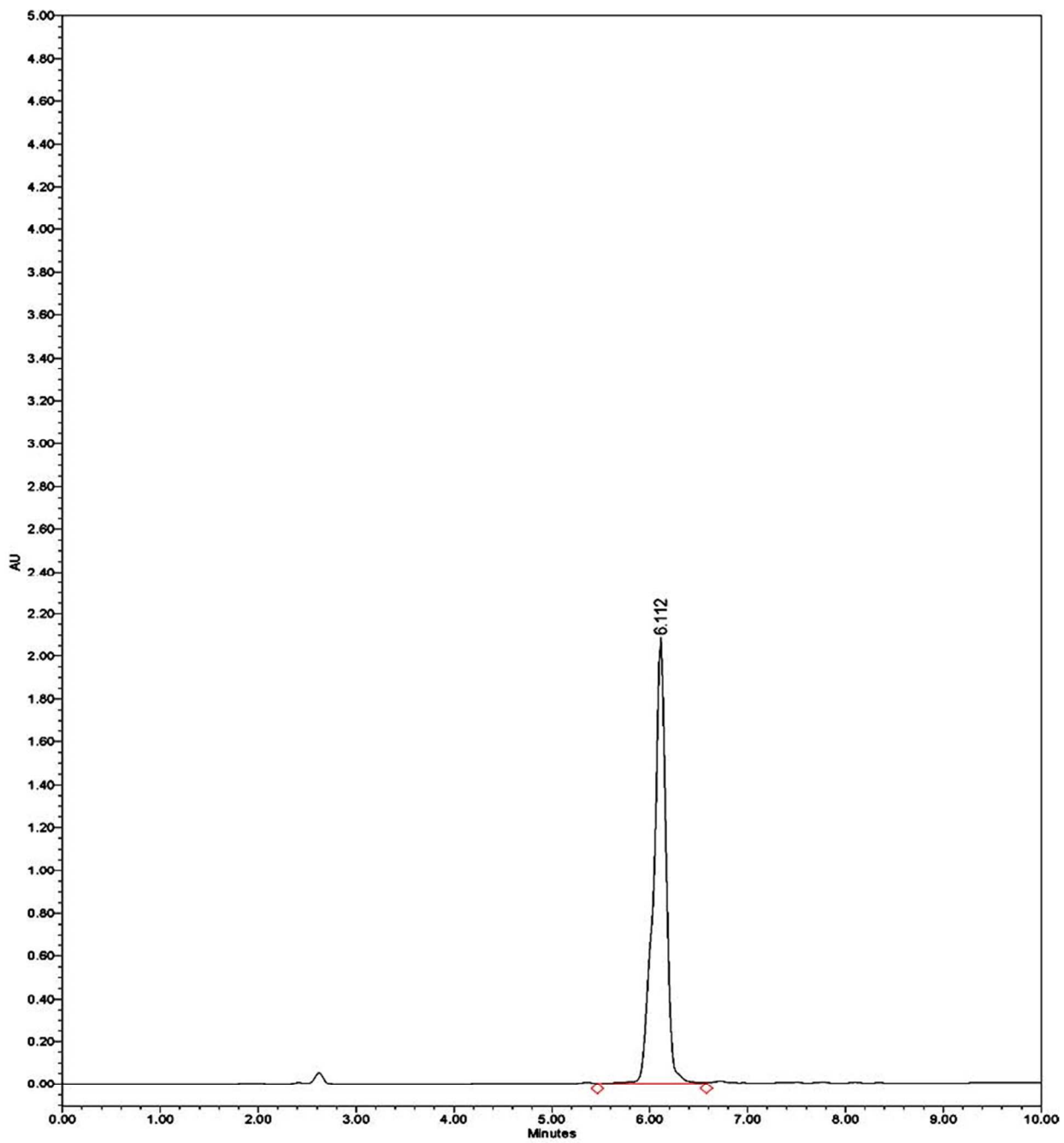
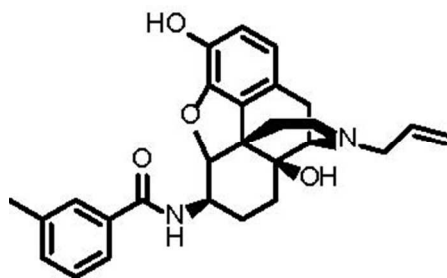
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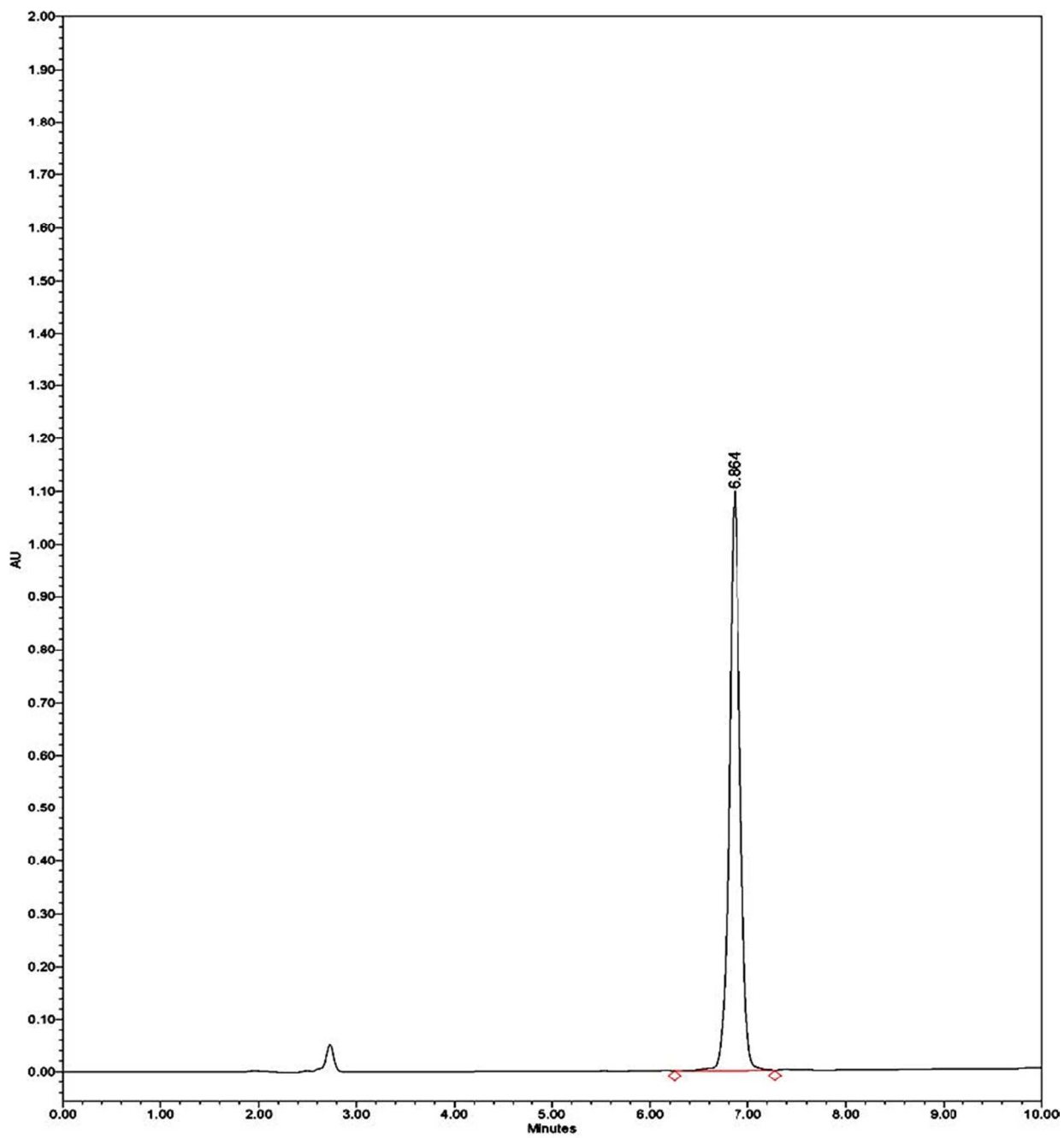
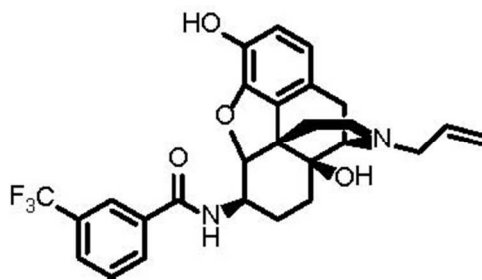
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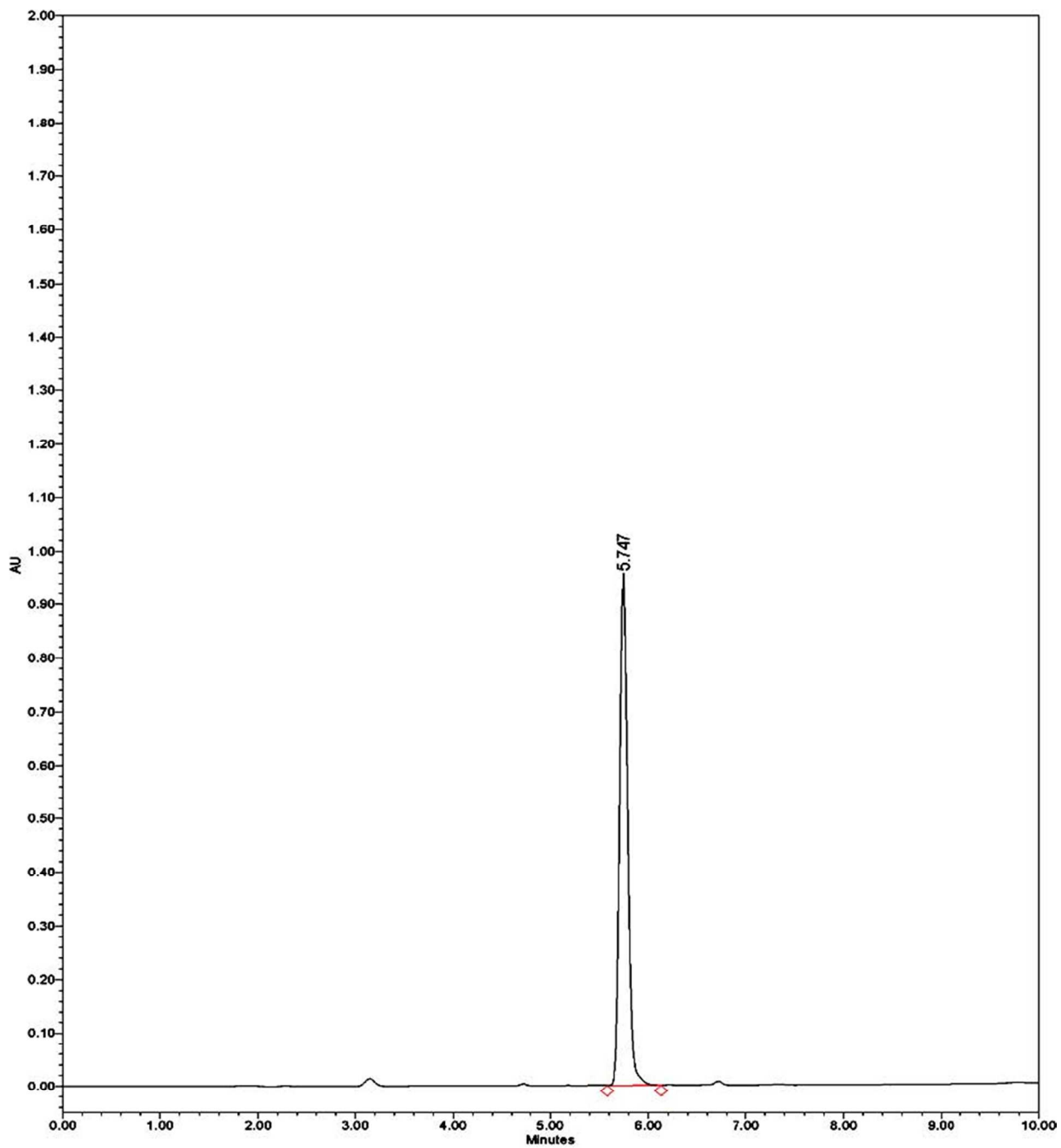
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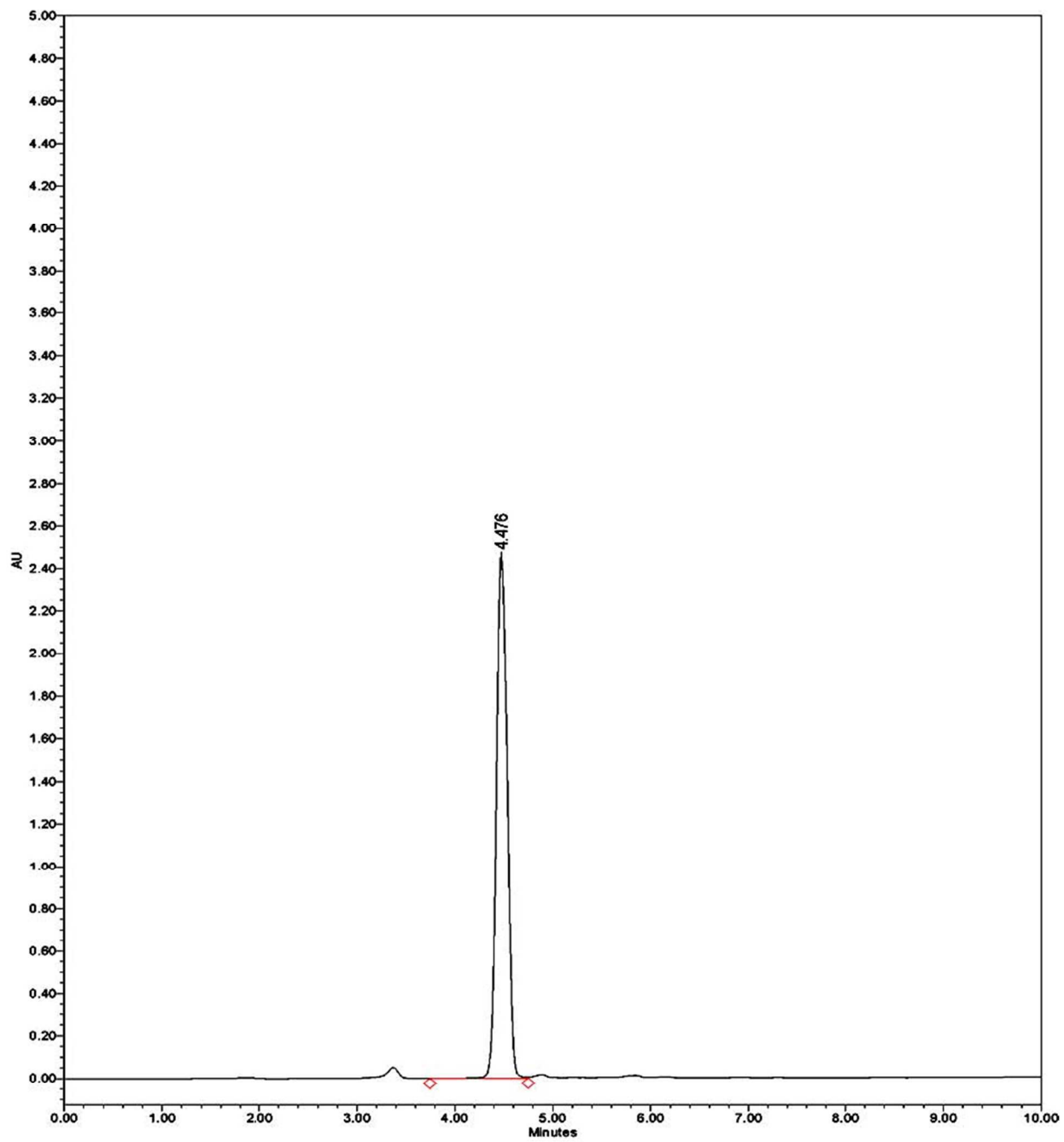
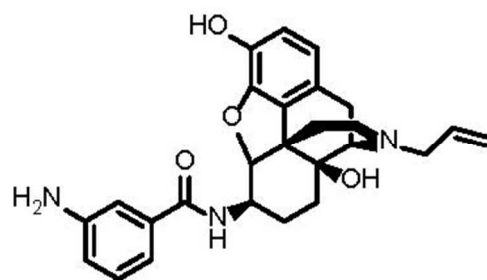
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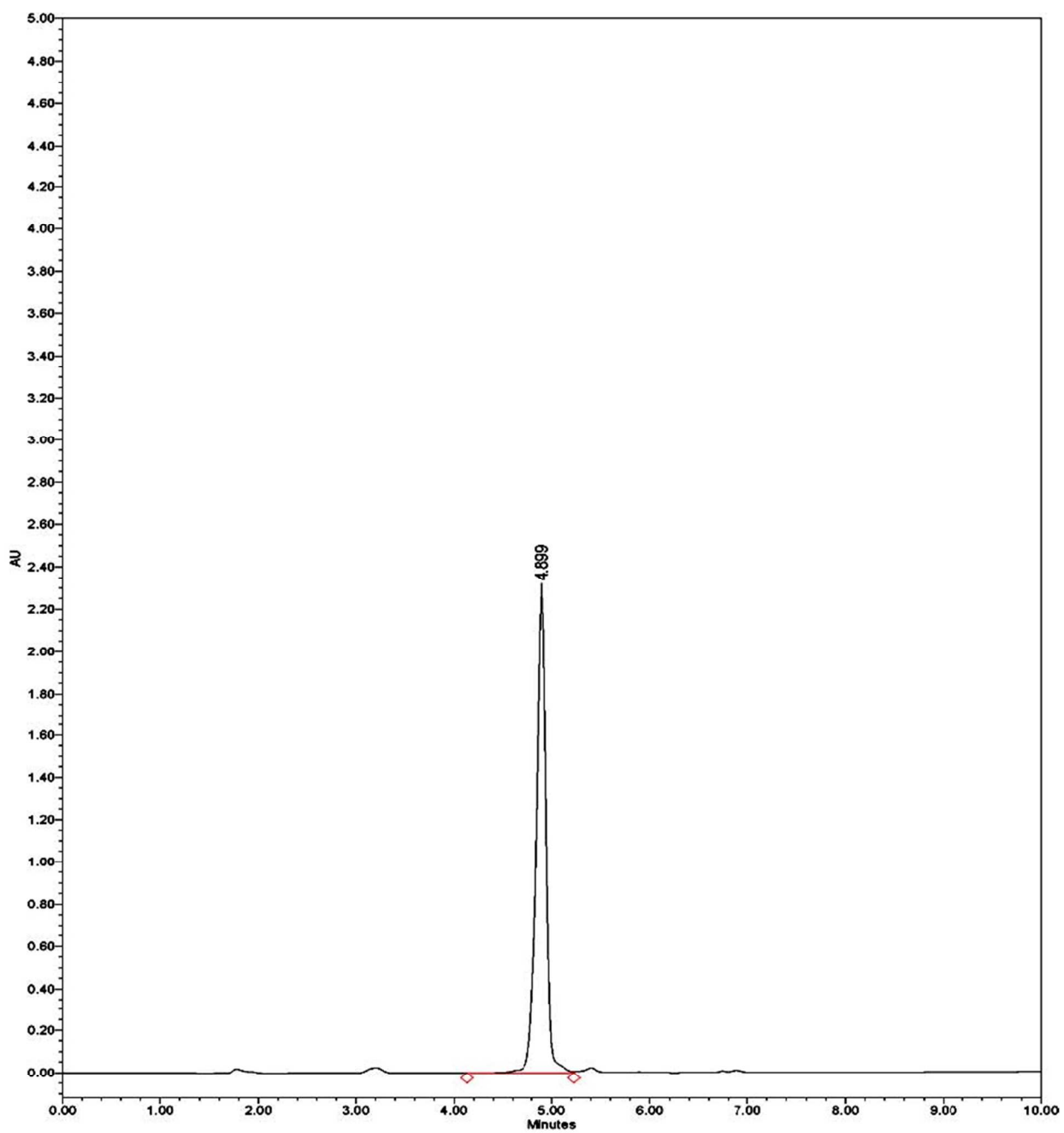
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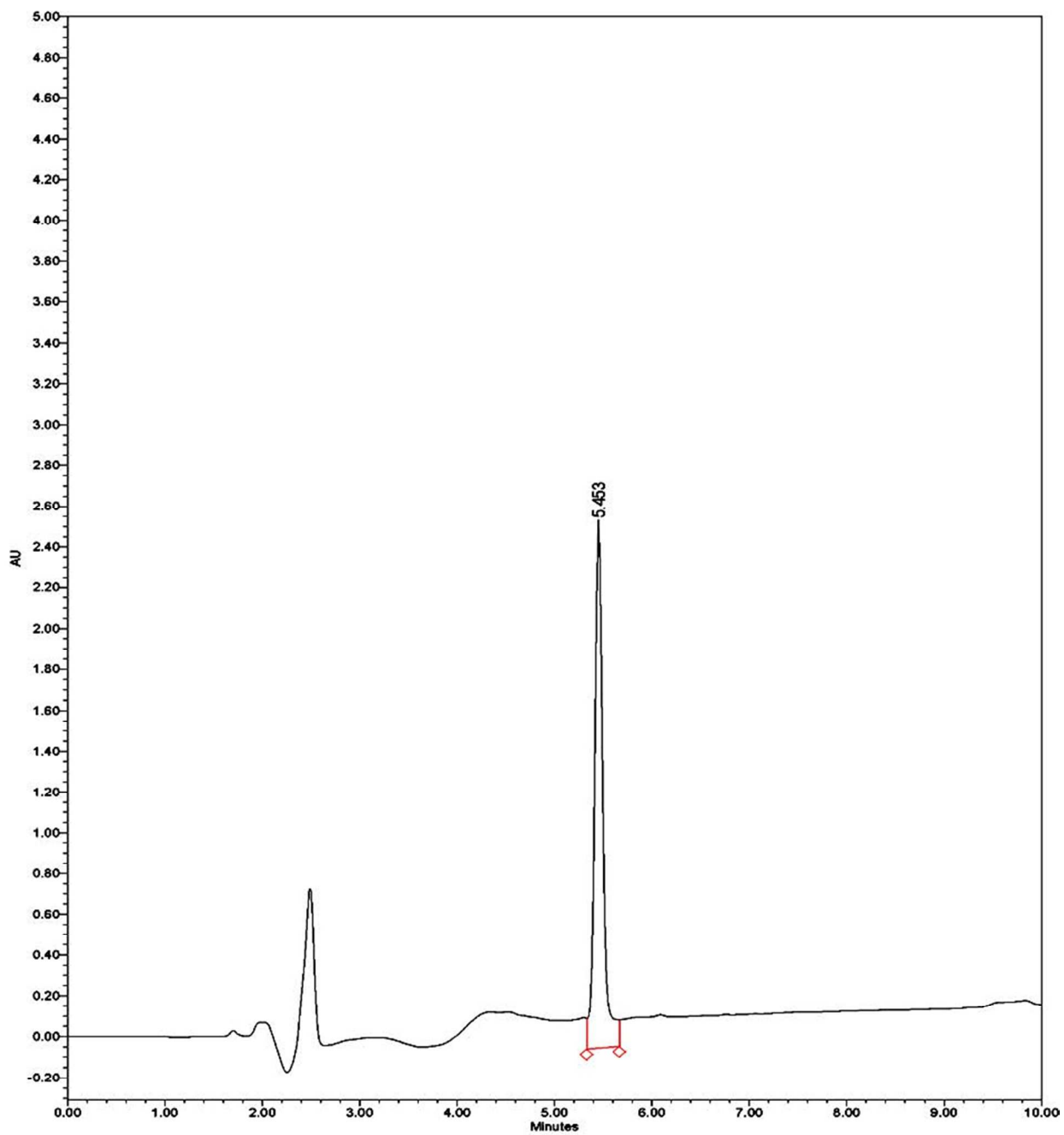
Compound 26



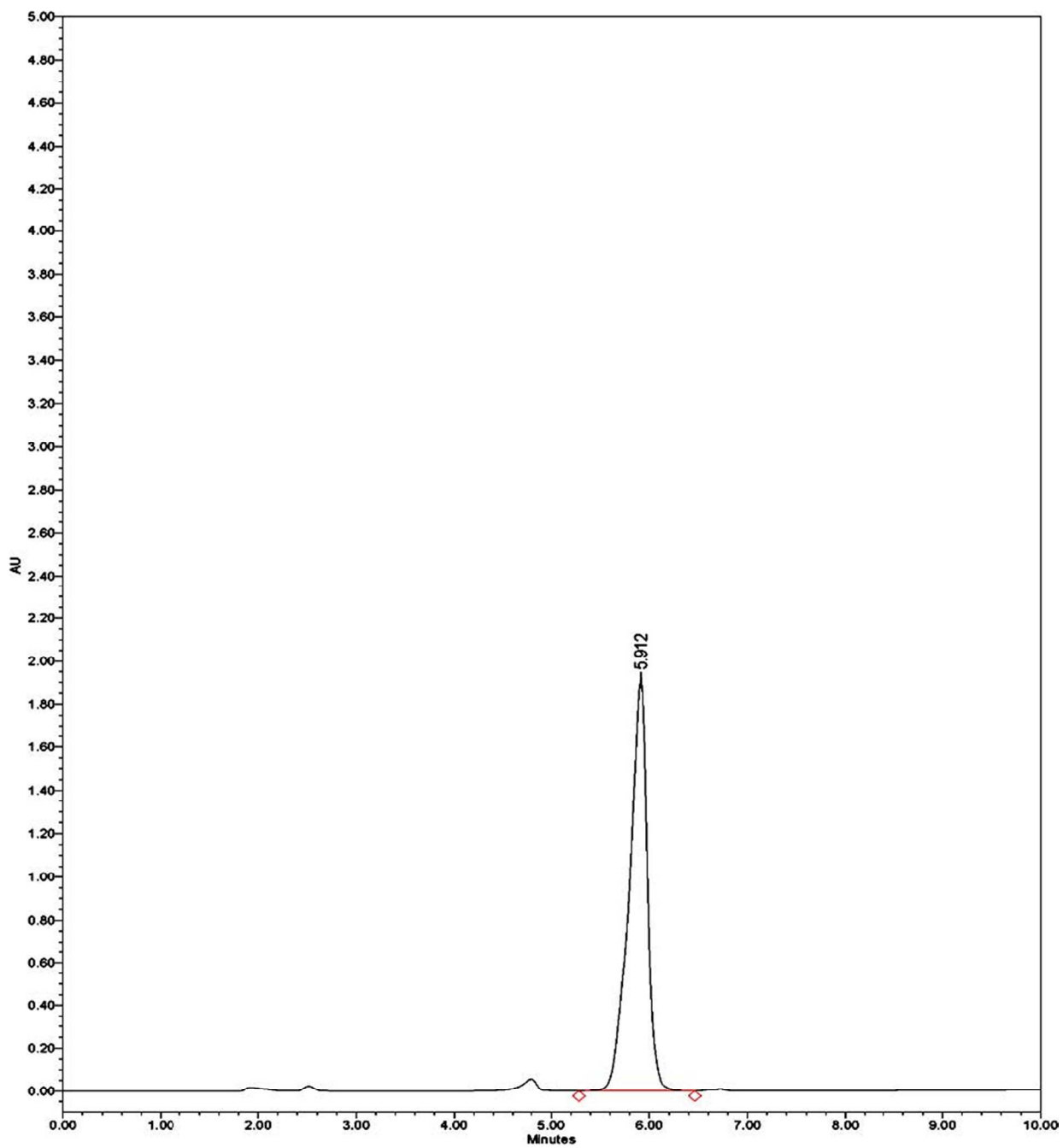
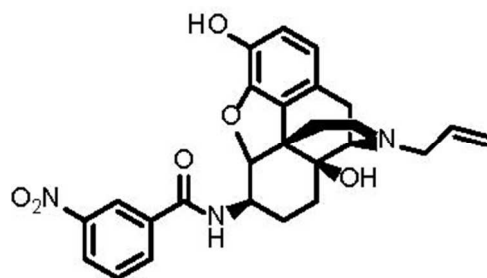
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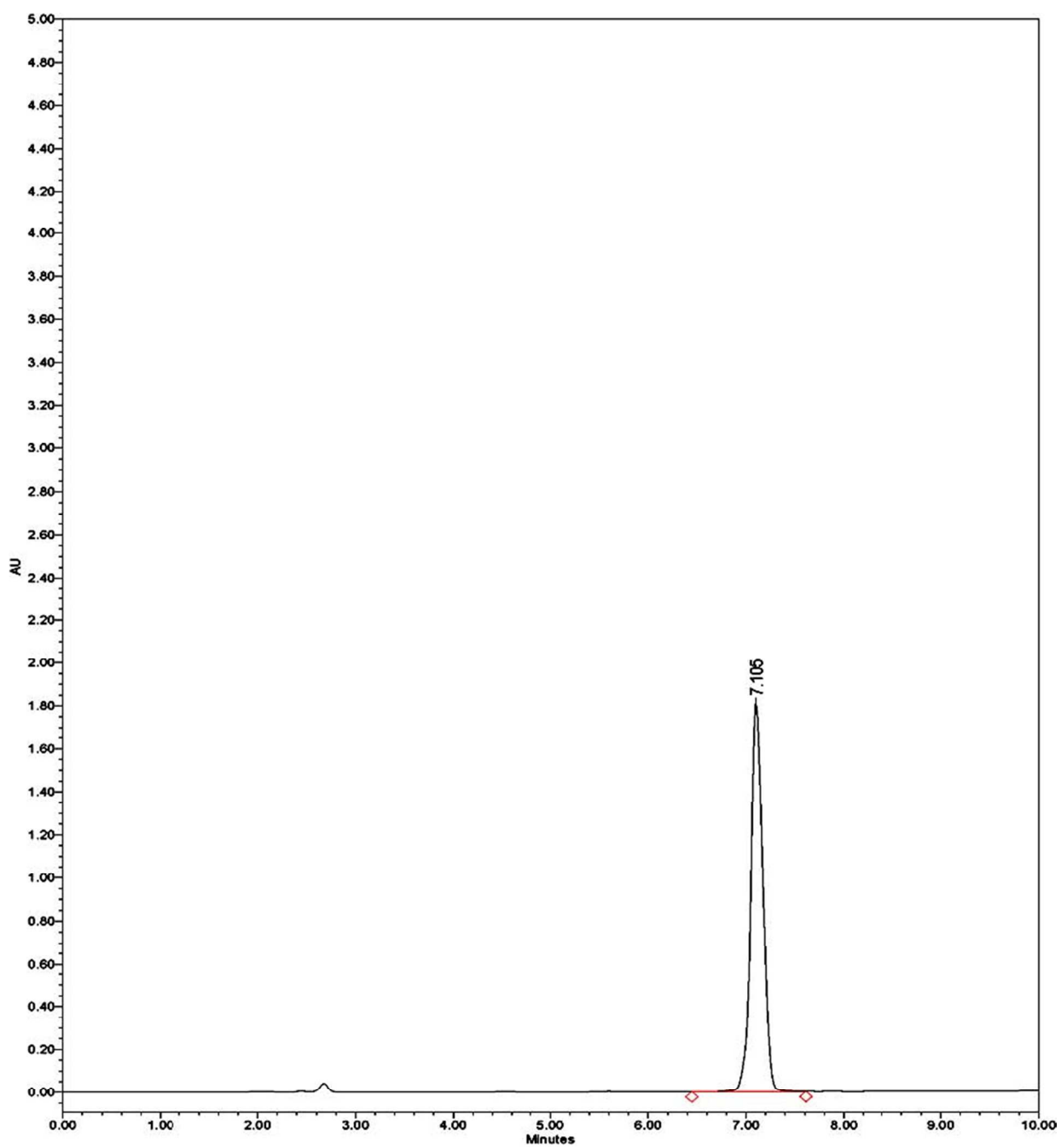
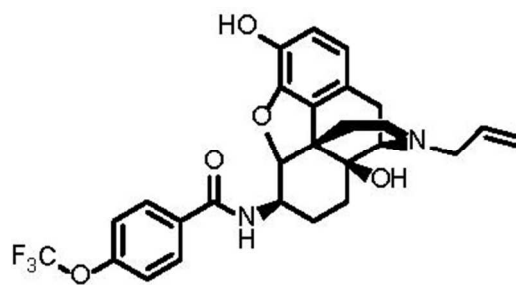
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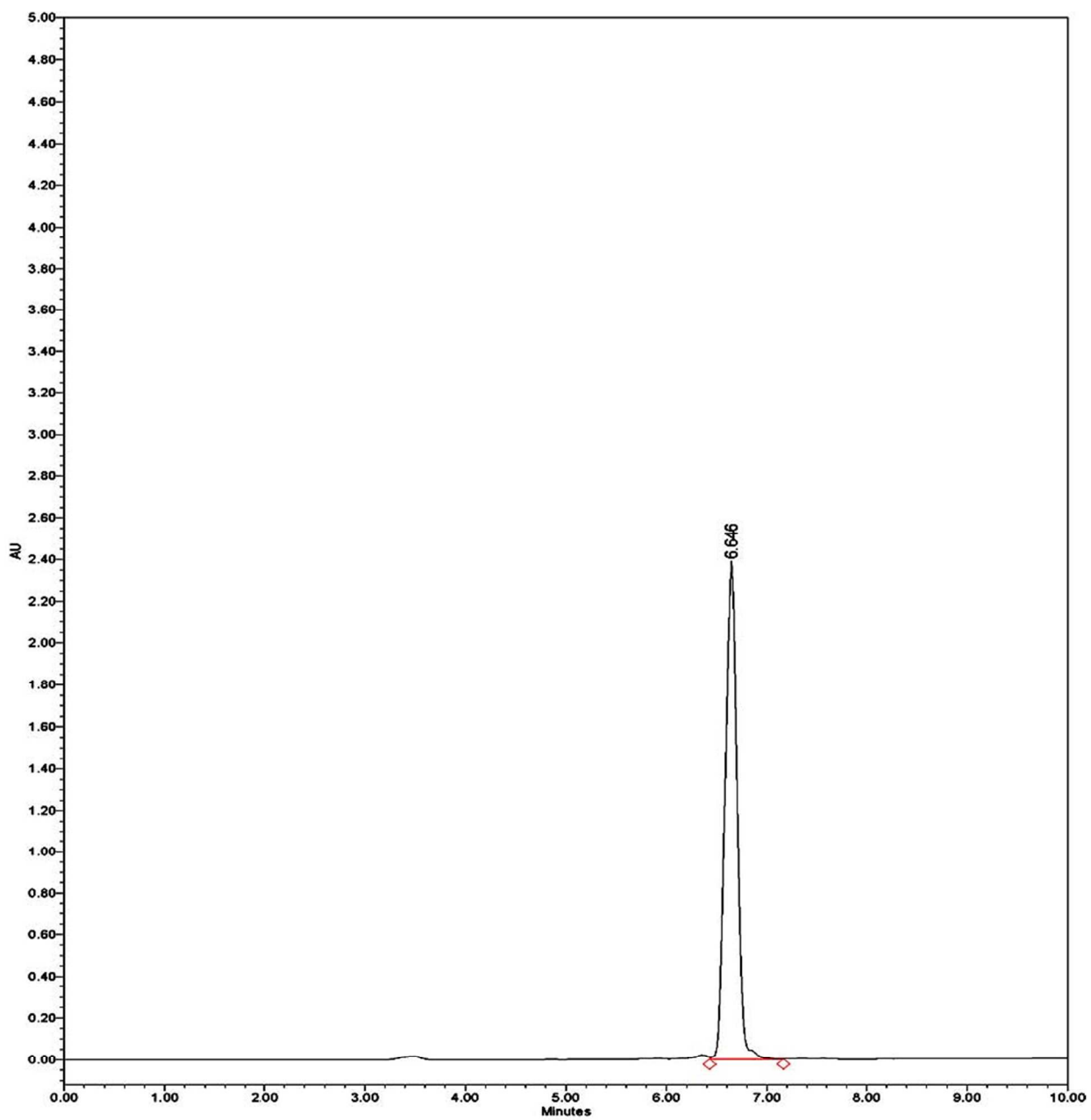
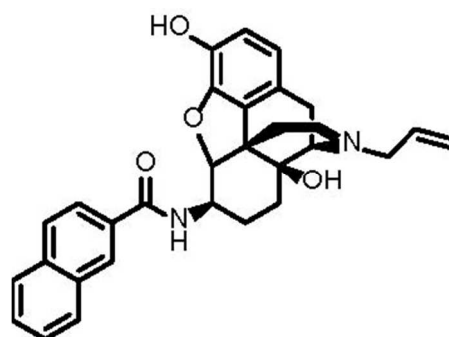
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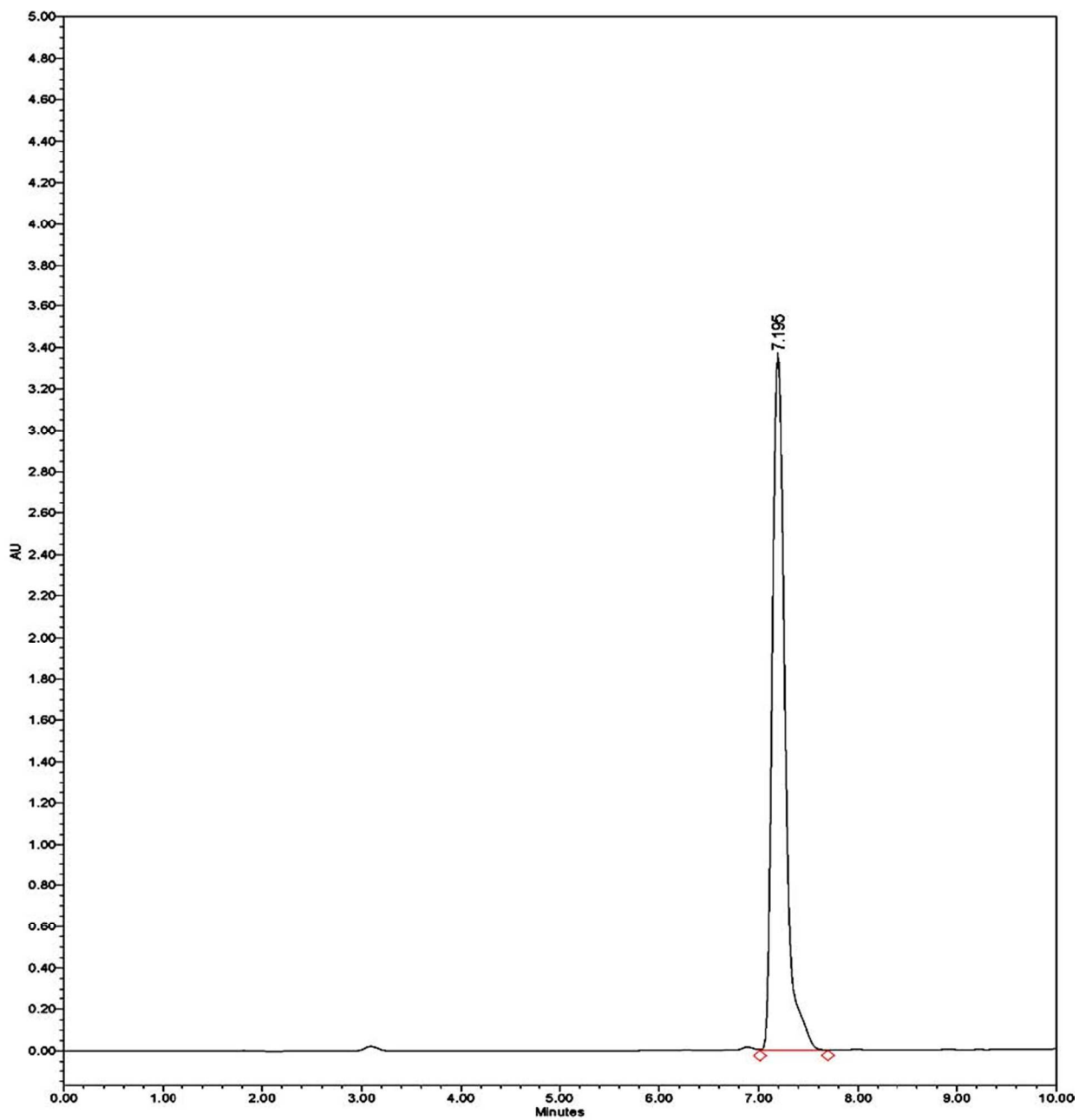
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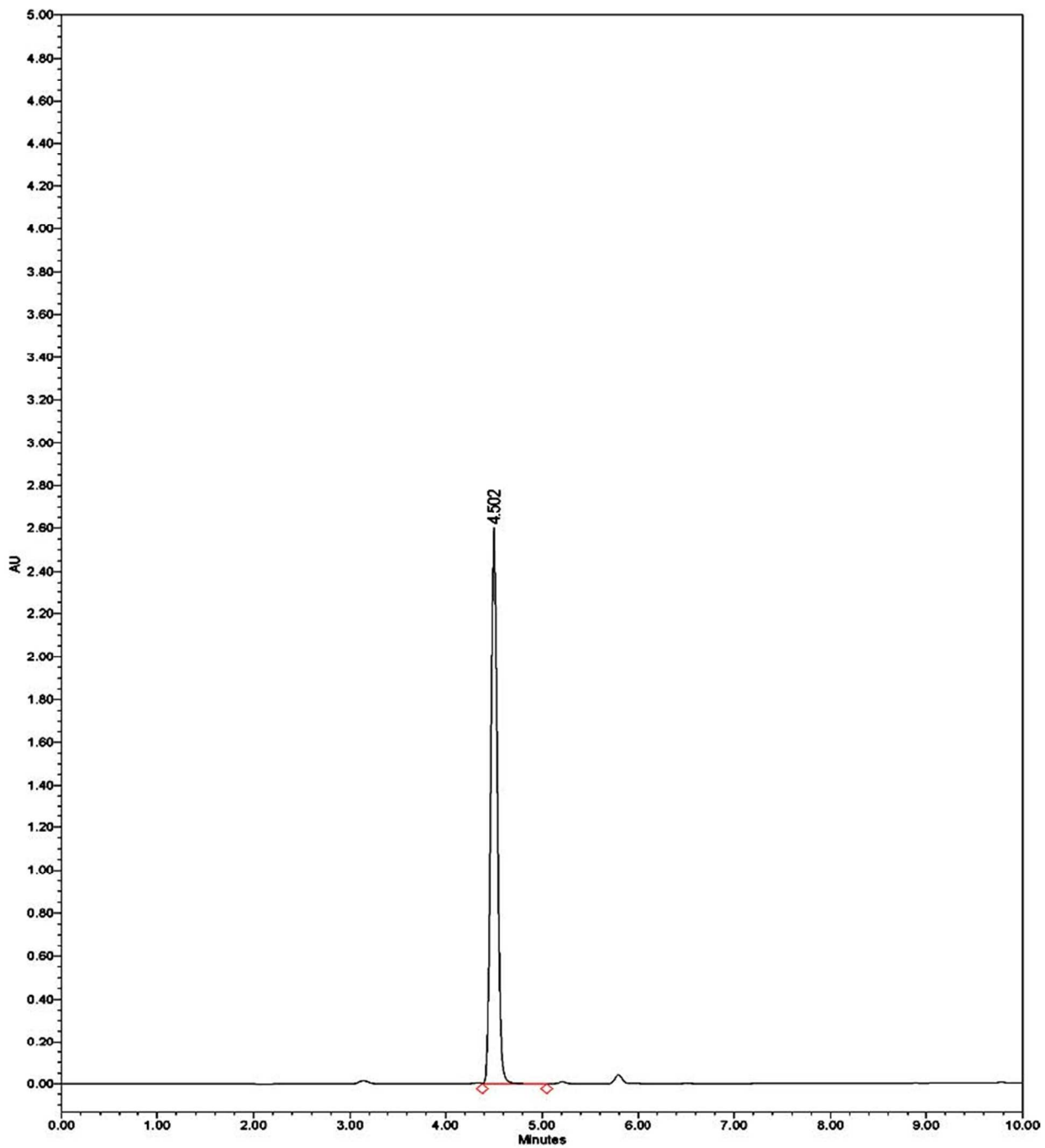
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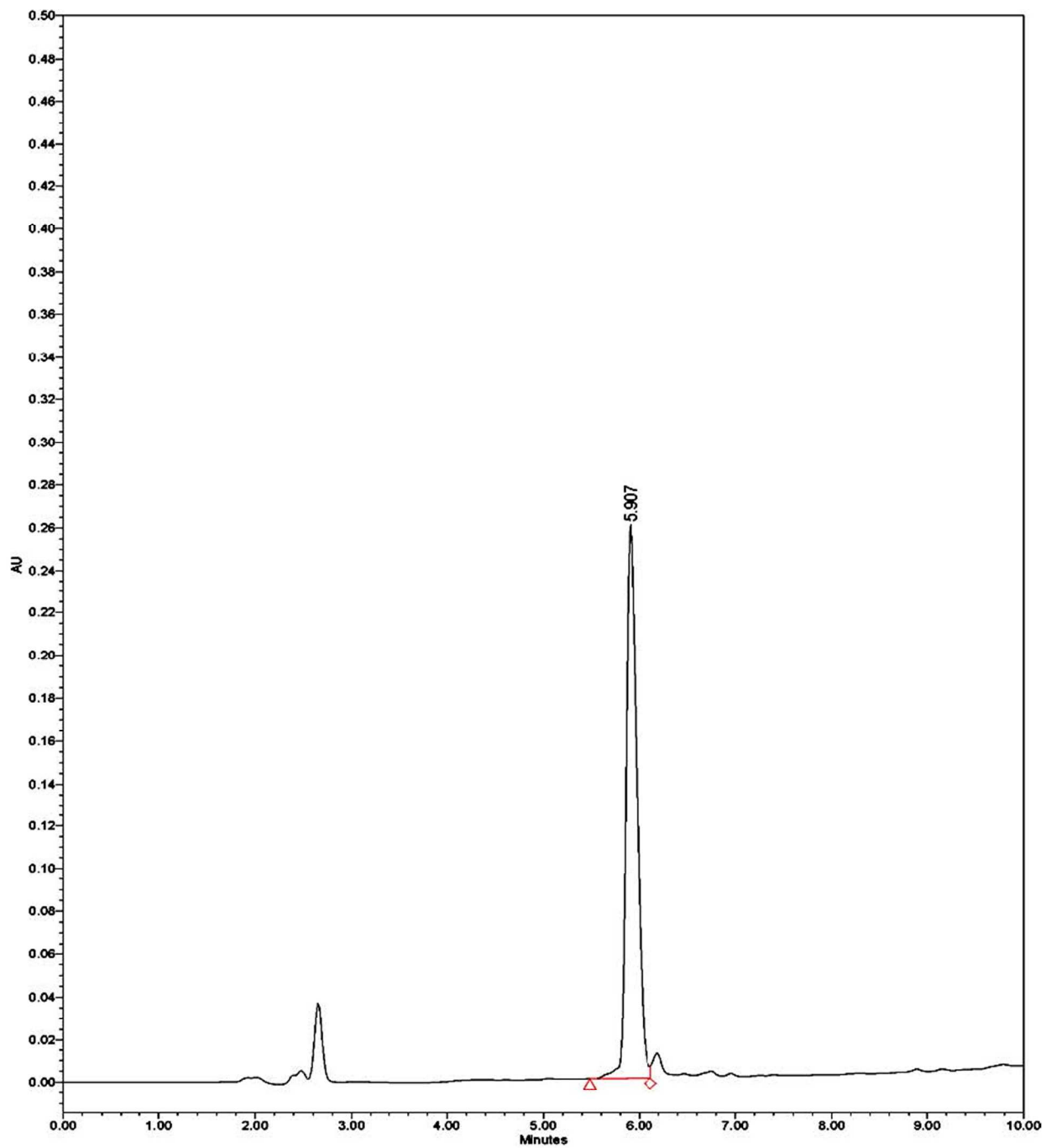
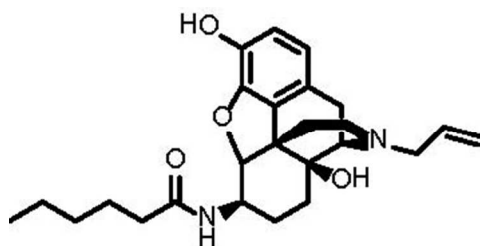
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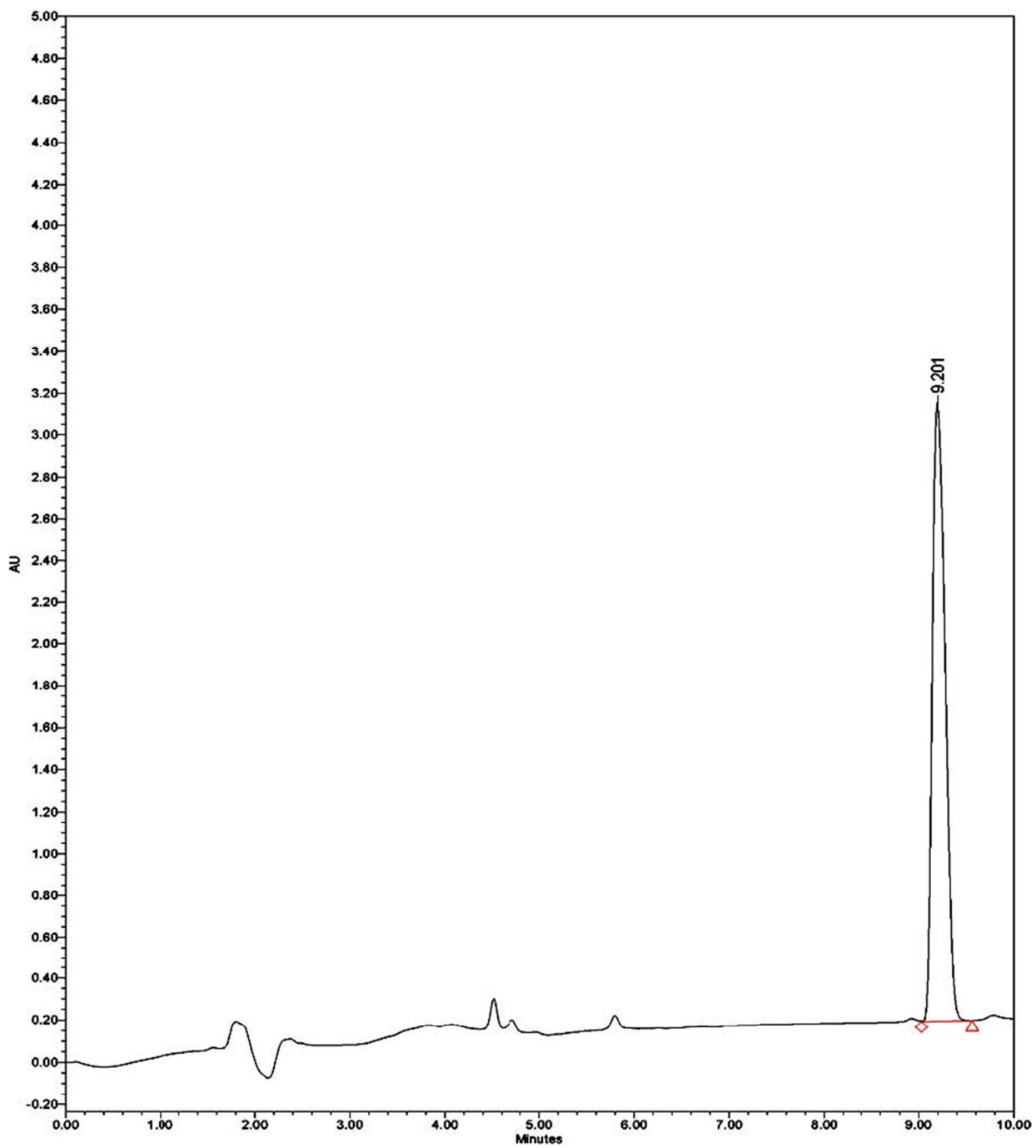
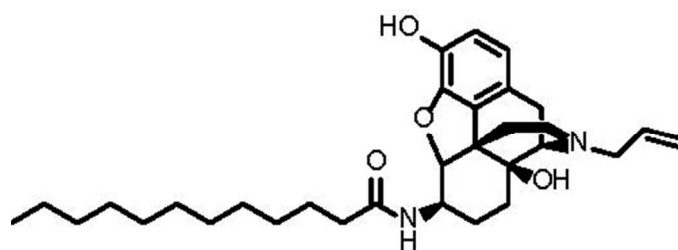
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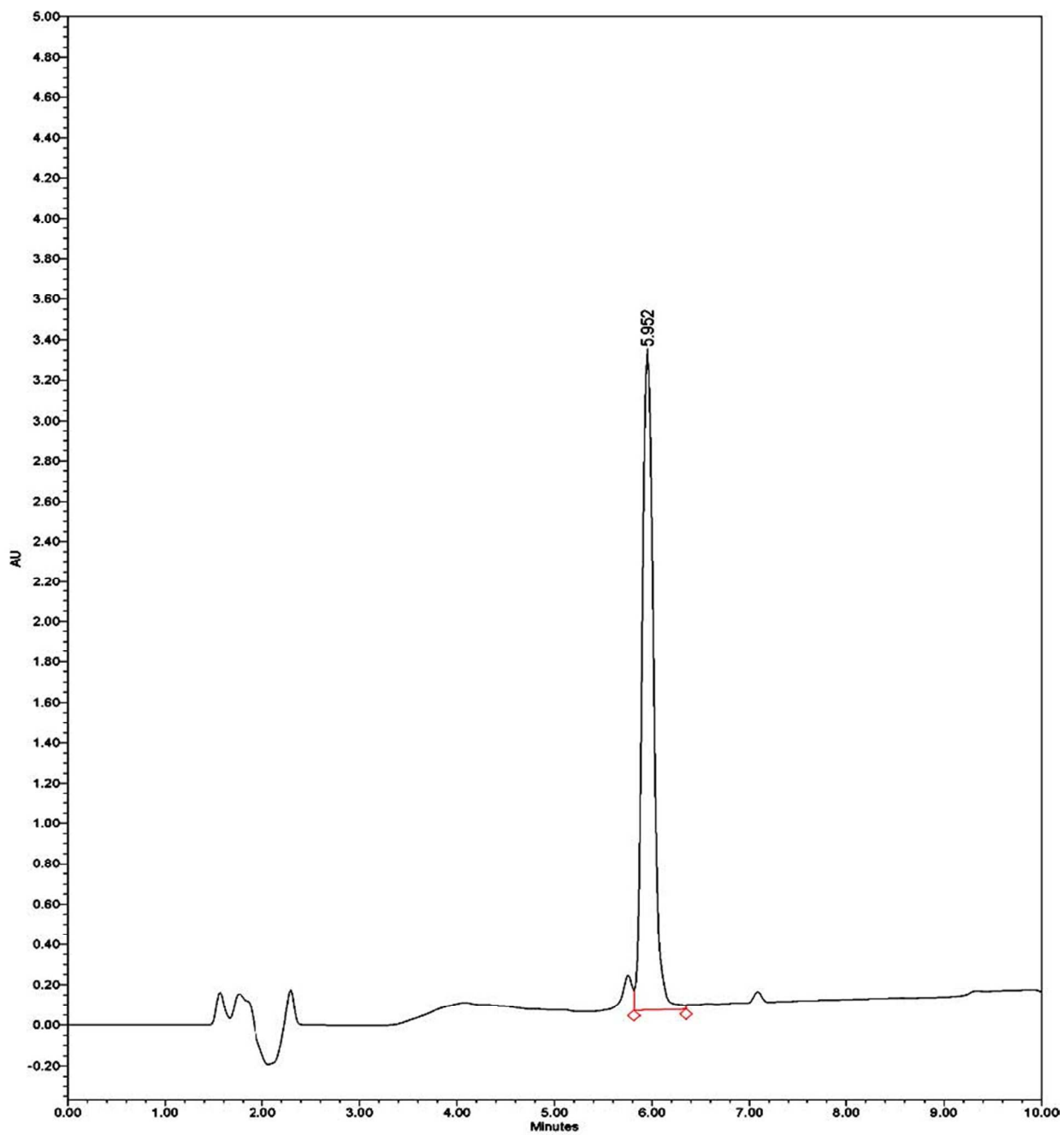
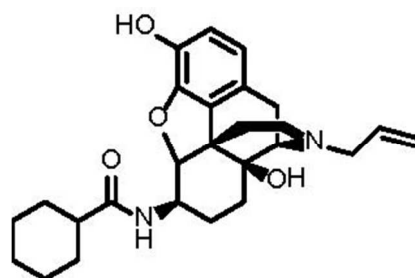
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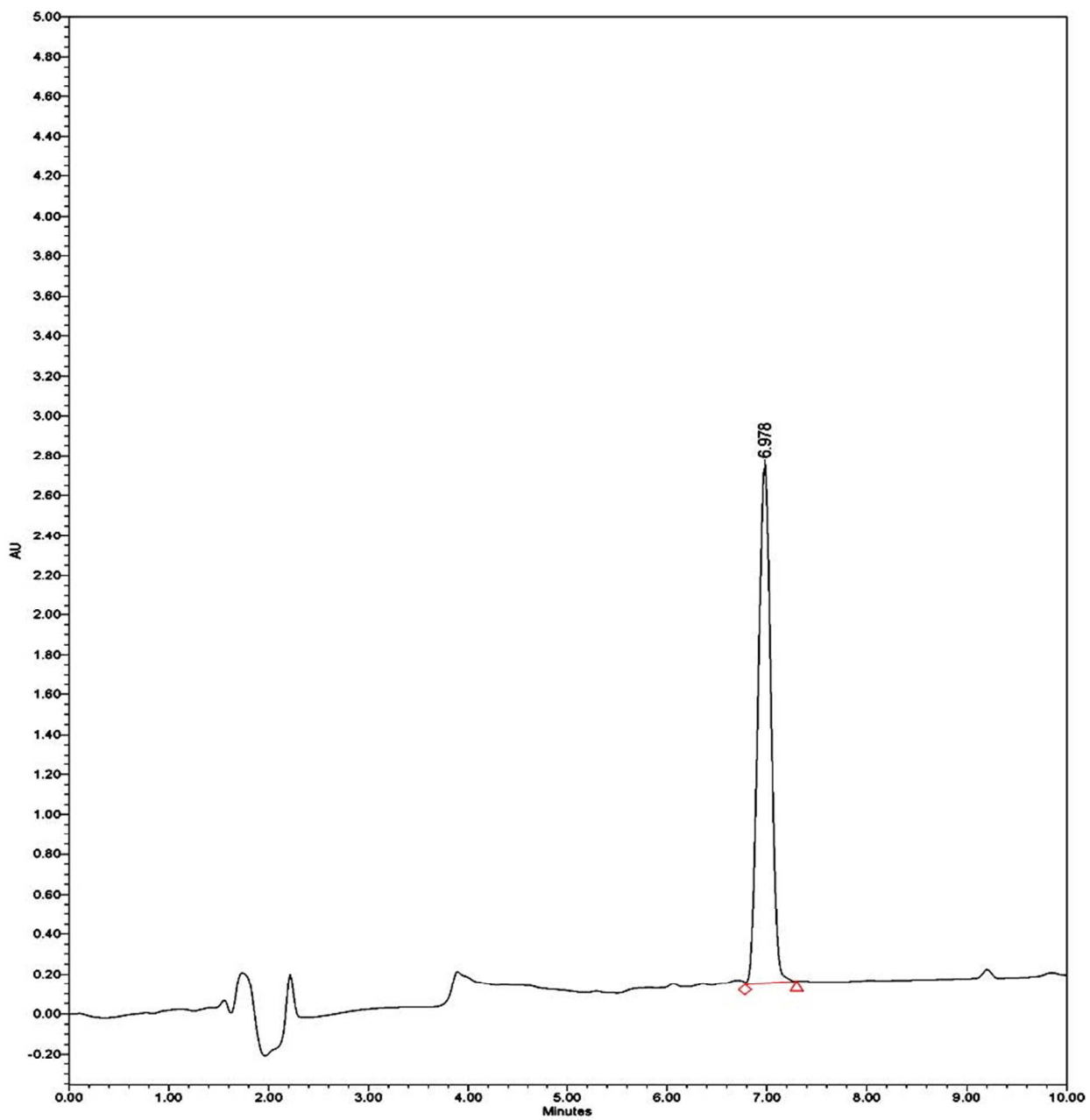
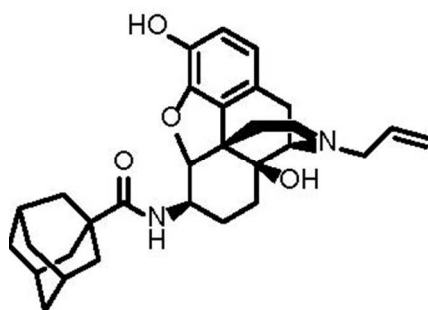
Compound 35



Compound 36



Compound 37



Compound 38

