



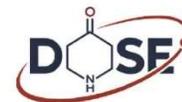
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# DEA Overdose Surveillance Exchange (DOSE)



March 2026  
DEA-SFL1-DOSE-26-001

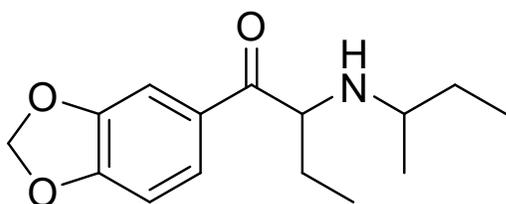
## The Five Core Pillars of the DOSE Approach



Evidence → Intelligence → Action → Lives Saved

### New Substance Public Alert:

#### *sec*-Butyl Butylone



### Background

Substance was submitted by the DEA Southeast Laboratory as an unknown substance. The sample was a white powder seized by DEA in Florida in November 2025 and suspected to contain fentanyl. This is the first time *sec*-Butyl Butylone has been identified by DEA or reported in the United States.

### Chemical Information

**Chemical Name:** 1-(benzodioxol-5-yl)-2-(*sec*-butylamino)butan-1-one

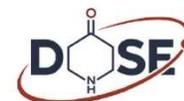
**Molecular Formula:** C<sub>15</sub>H<sub>21</sub>NO<sub>3</sub>

**Molecular Weight:** 263.34 g/mol

**CAS RN:** N/A

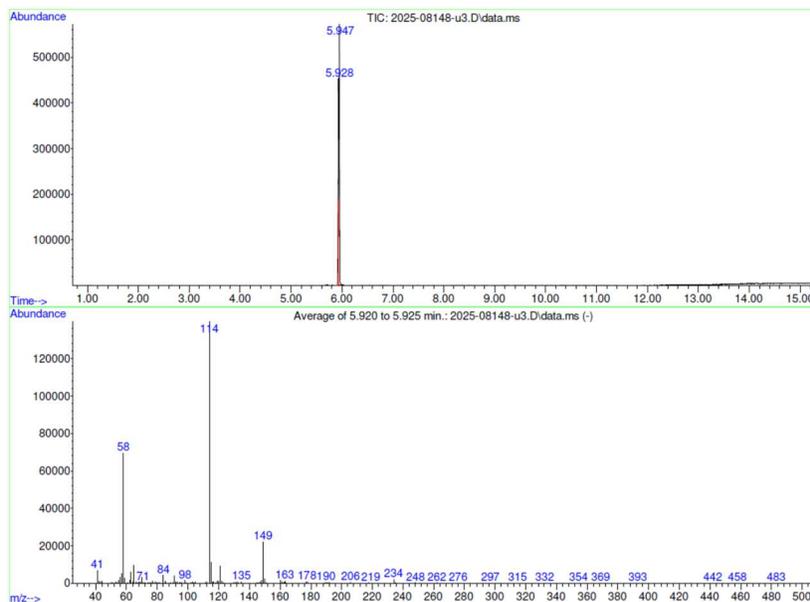
**Reference Material:** Not available commercially (as of March 11, 2026)

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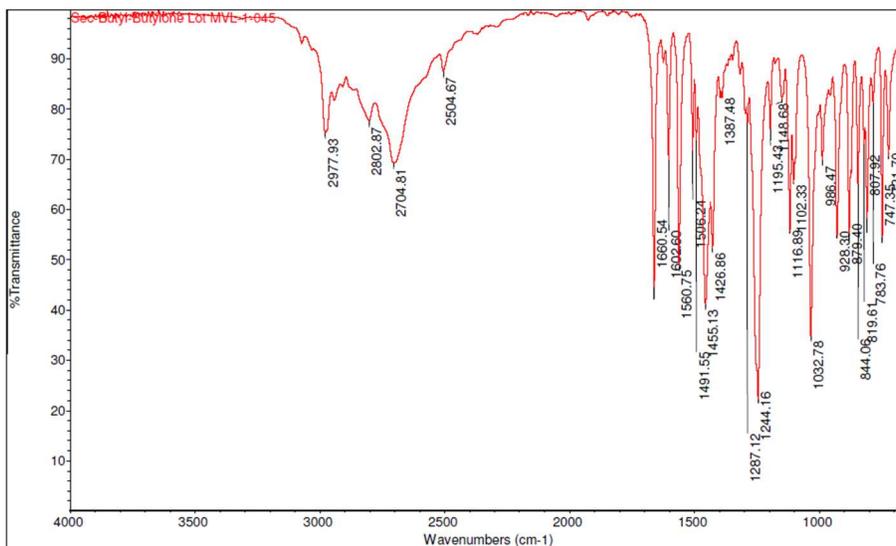


## Analytical Data

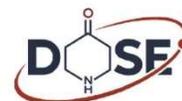


GC-EI-MS Data for sec-Butyl Butylone

Note: A split peak using the DEA-GUARDS method with a retention time of 5.9 minutes. No good library matches for GC-MSD search.

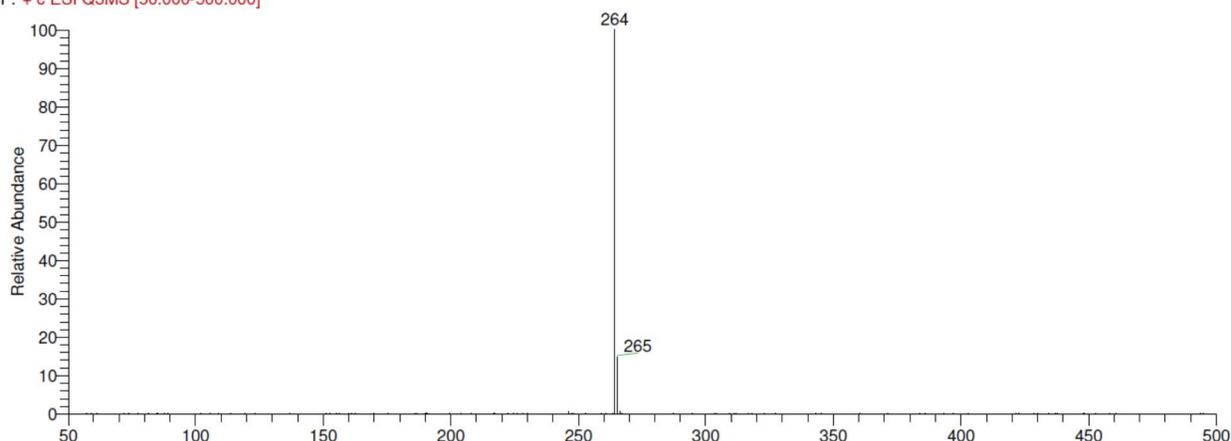


FTIR Data for sec-Butyl Butylone

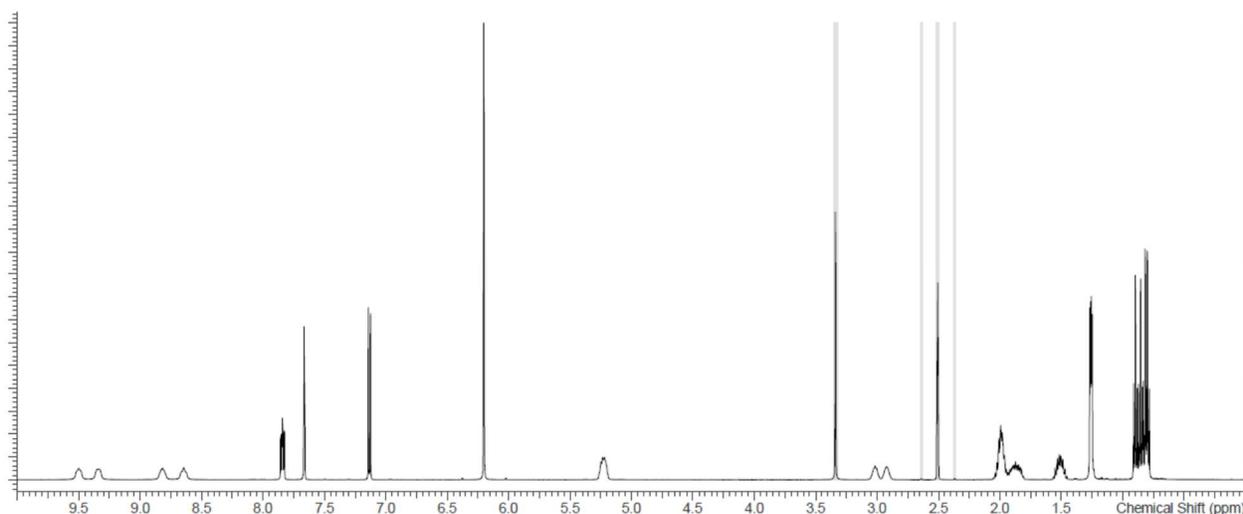




BP114-4-12-25\_LC-MS+\_15V #299-312 RT: 2.24-2.31 AV: 7 SB: 16 2.07-2.18 NL: 8.95E6  
F: + c ESI Q3MS [50.000-500.000]



ESI-MS Data for *sec*-Butyl Butylone



<sup>1</sup>H NMR Data for *sec*-Butyl Butylone (solvent DMSO-d<sub>6</sub>)

### Recommended Citation:

Drug Enforcement Administration. DEA Overdose Surveillance Exchange (DOSE): New Substance Public Alert – *sec*-Butyl Butylone Bulletin. Dulles, Virginia: US. Special Testing and Research Laboratory, DEA; 2026, March 13.



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about DOSE.

