

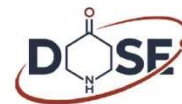


DEA Overdose Surveillance Exchange (DOSE)



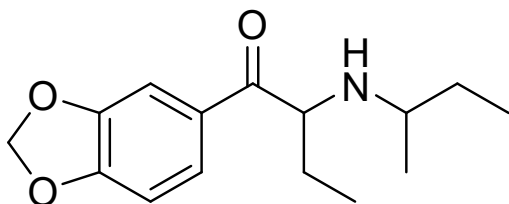
March 2026
DEA-SFL1-DOSE-26-001

The Five Core Pillars of the DOSE Approach



New Substance Public Alert:

sec-Butyl Butylone



Evidence → Intelligence → Action → Lives Saved

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: C₁₅H₂₁NO₃

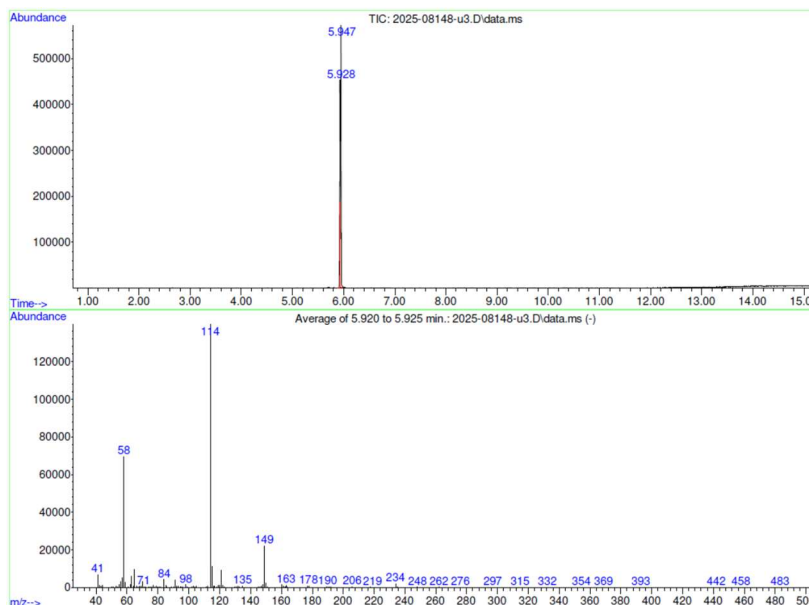
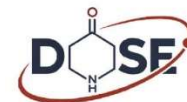
Molecular Weight: 263.34 g/mol

CAS RN: N/A

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

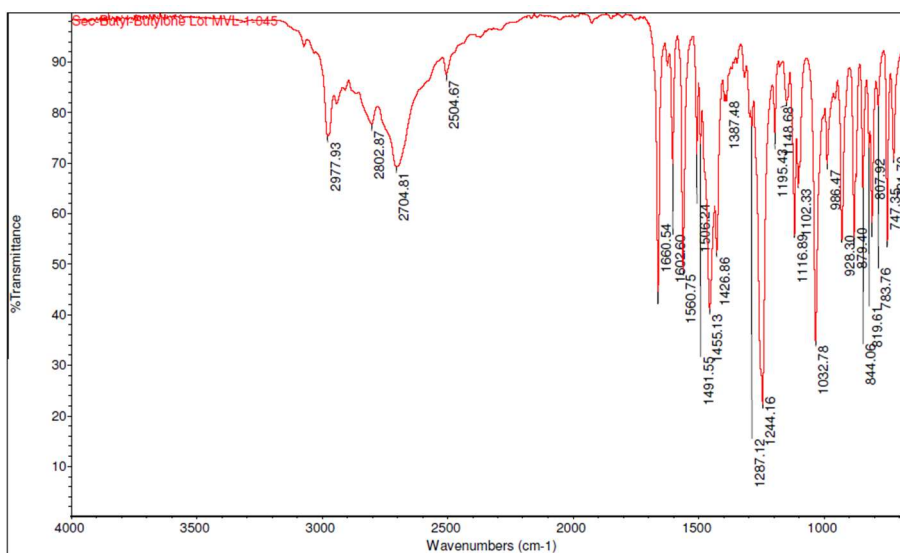


Analytical Data



GC-EI-MS Data for sec-Butyl Butylone

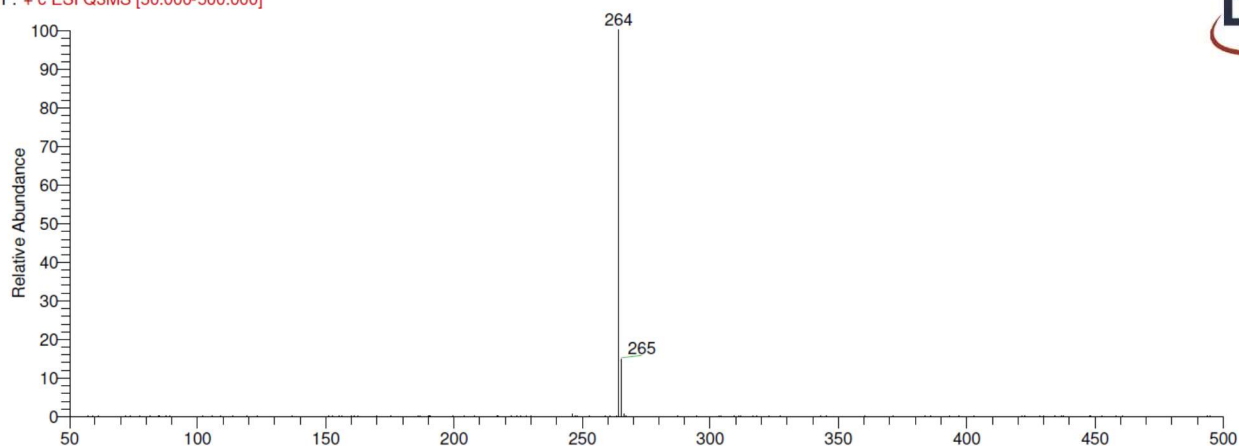
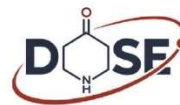
Note: A split peak using the DEA-GUARDS method with a retention time of 5.9 minutes. No good library matches for GC-MSD search.



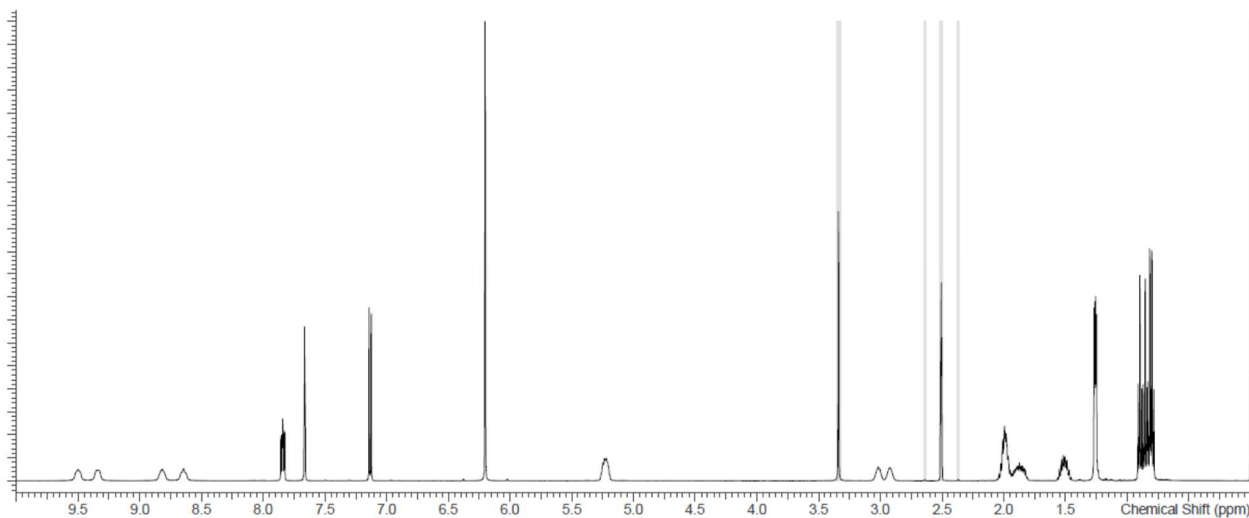
FTIR Data for sec-Butyl Butylone



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



¹H NMR Data for *sec*-Butyl Butylone (solvent DMSO-d₆)

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.



Click or scan QR code to contact and learn more about DOSE.