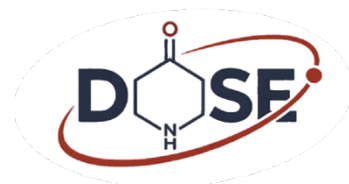




DEA Overdose Surveillance Exchange (DOSE)



August 2026
DEA-SFL1-DOSE-26-006

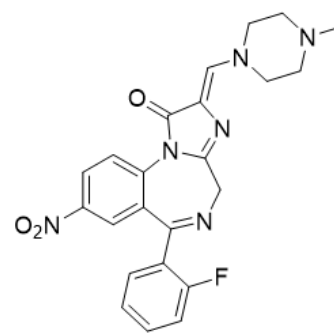


New Substance Public Alert Fluoprazolam

BACKGROUND

New benzodiazepine (fluoprazolam or fluloprazolam) identified by the DEA Southwest Laboratory. The sample consisted of approximately 500 grams of yellow powder seized from a tableting clandestine laboratory in California in November 2025. In April 2026, NDEWS generated a special report on EMS encounters involving nonfatal benzodiazepine overdoses (Issue 277: April 3, 2026). In this issue, fluoprazolam was reported to be frequently discussed on social media platforms.

This is the first time fluoprazolam has been identified by DEA and it has not been previously reported in the National Forensic Laboratory Information System (NFLIS). Fluoprazolam is not a controlled substance or listed chemical under the Controlled Substances Act.



Fluoprazolam



CHEMICAL INFORMATION

Chemical Name: (Z)-6-(2-fluorophenyl)-2-((4-methylpiperazin-1-yl)methylene)-8-nitro-2,4-dihydro-1H-benzo[f]imidazo[1,2-a][1,4]diazepin-1-one

Molecular Formula: C₂₃H₂₁FN₆O₃

Molecular Weight: 448.45 g/mol

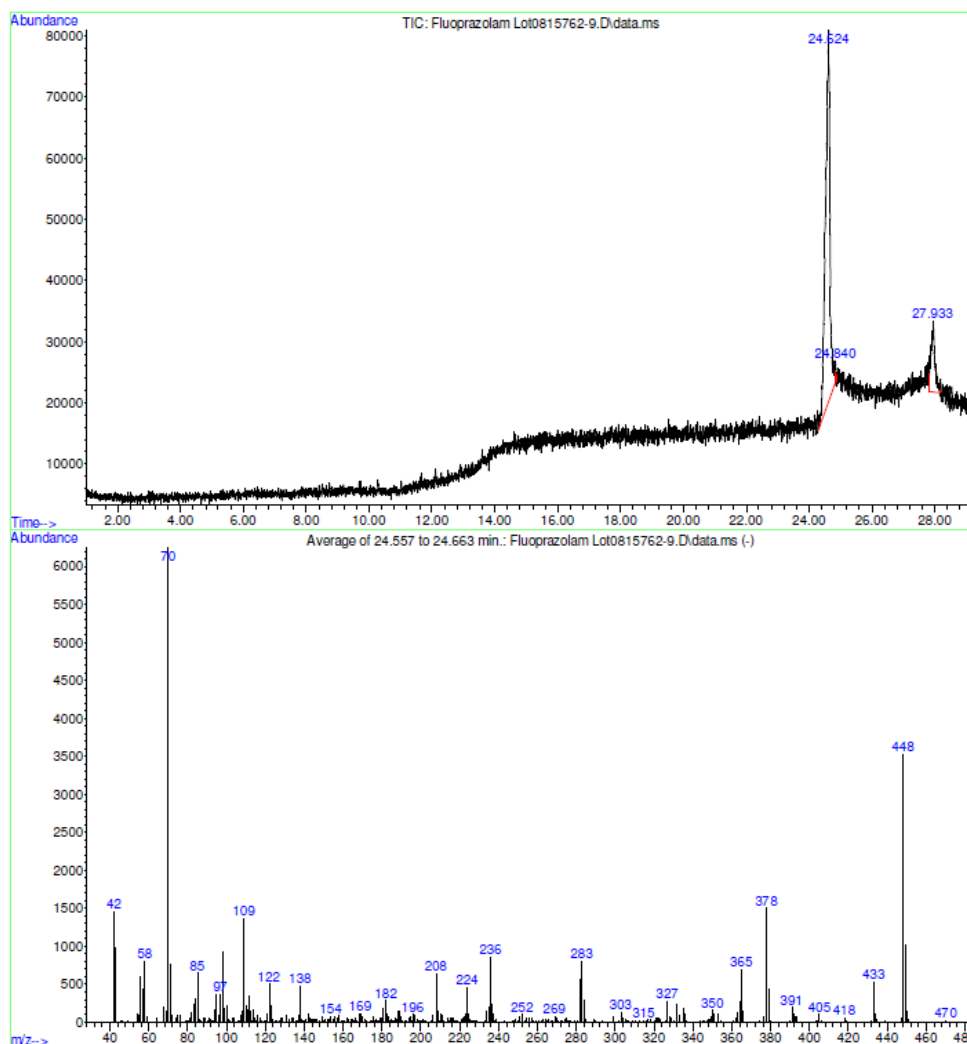
Exact Mass: 448.16 g/mol

CAS RN: 63146-74-7

Reference Material: Commercially available

ANALYTICAL DATA

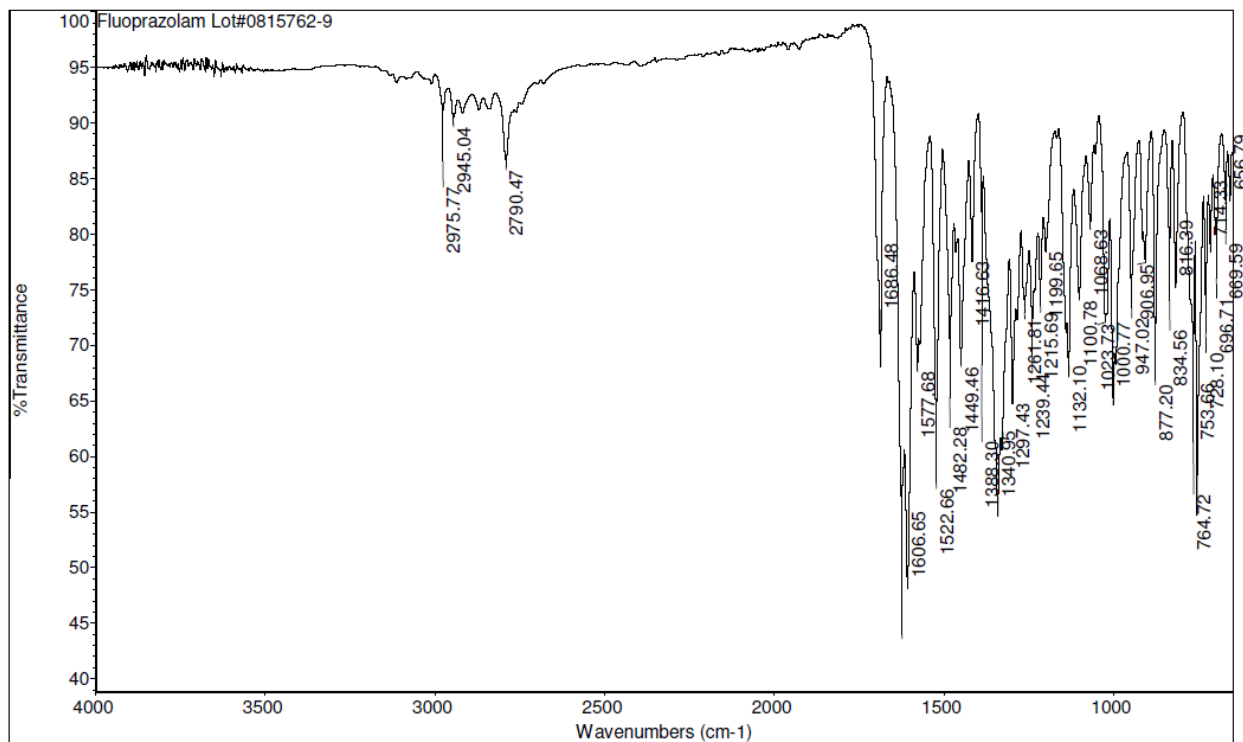
The below analytical data was collected from reference material.



GC-EI-MS data for fluoprazolam (collected using DEA's GUARDS method)

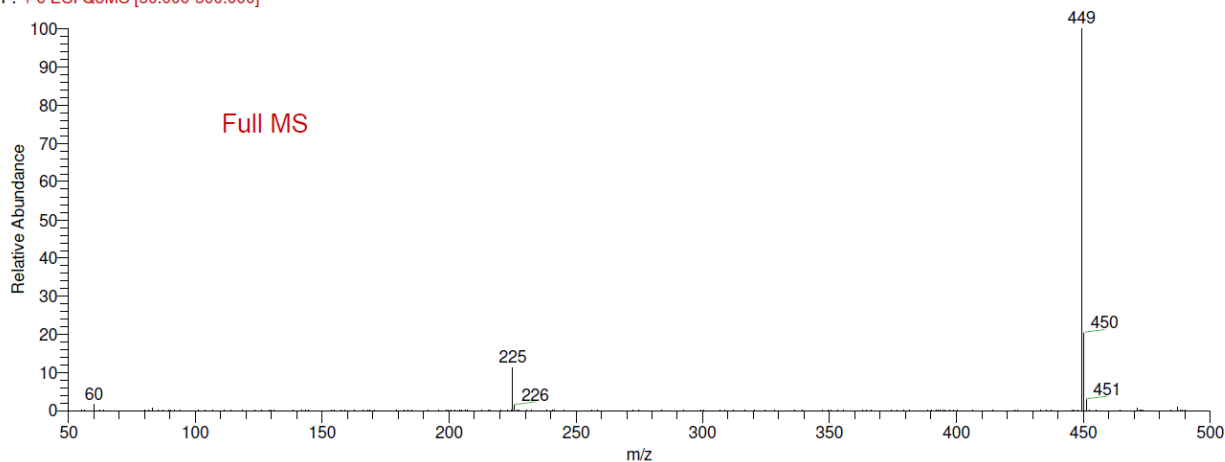


Note: Due to its molecular weight and late elution in GC-MS, LC-MS/MS is recommended for analysis of fluoprazolam for improved analytical performance



FTIR ATR spectrum for fluoprazolam

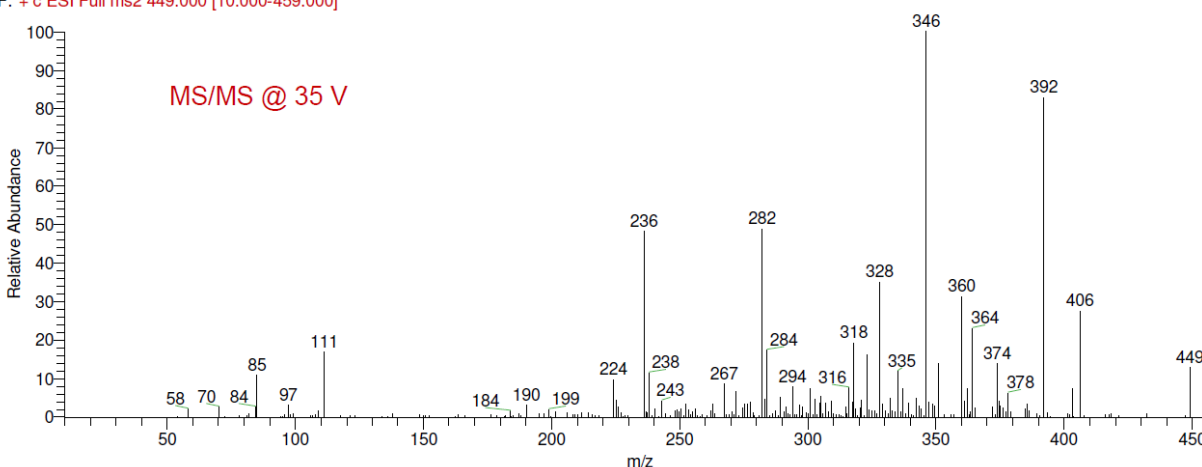
Fluoprazolam_LCGEN-MS+ 35V #361-372 RT: 2.71-2.79 AV: 6 SB: 20 2.50-2.64 NL: 9.43E6
F: + c ESI Q3MS [50.000-500.000]



ESI-MS data for fluoprazolam



Fluoprazolam_LCGEN-MS+_35V #360-375 RT: 2.70-2.81 AV: 8 NL: 4.82E4
F: + c ESI Full ms2 449.000 [10.000-459.000]



ESI-MS/MS data for fluoprazolam

RECOMMENDED CITATION

Drug Enforcement Administration. DEA Overdose Surveillance Exchange (DOSE): New Substance Public Alert – Fluoprazolam. Dulles, Virginia: US. Special Testing and Research Laboratory, DEA; 2026, August 12.



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