

# Benzodiazepines

## BMF 75-Benzodiazepines

Benzodiazepines are a common class of prescription medication. There are over fifty different types of benzodiazepines worldwide. They are used therapeutically for a number of applications, including control of epilepsy, reducing anxiety, as premedication adjuncts to anaesthesia, to treat insomnia, and for alcohol withdrawal. Benzodiazepines are also a frequently abused class of drugs. Abuse can be broadly divided into 3 main categories: 1) Over prescribing for legitimate indications, 2) recreational abuse, 3) drug facilitated crime.

Benzodiazepines have a high addiction potential and over prescription can lead to dependency. Better recognition of this has resulted in a gradual reduction in the number of benzodiazepine prescriptions issued. They are one of the most common prescription drugs abused recreationally. Benzodiazepines are abused for the buzz or rush that follows rapid injection or otherwise for their alcohol like effects. Polydrug abuse involving benzodiazepines is common. They are used to enhance the effects of other CNS depressant drugs, alleviate withdrawal effects or combat effects of stimulants, i.e. to enable sleep and to reduce stress, anxiety and depression following their use. The hypnotic effect of benzodiazepines also makes them potential candidates for drug facilitated crimes such as date rape, robbery or neglect.

The symptoms of withdrawal may actually be very similar to the original complaint for which the drugs were prescribed in the first place. The withdrawal effects of are said to be more harrowing than those of heroin and more dangerous, since sudden cessation can lead to seizure and fits.

Side Effects	Withdrawal
Anterograde amnesia	Anxiety
Rapid tolerance	Irritability
Dependence	Dysphonia
Severe withdrawal	Decreased concentration
Injection injuries	Insomnia / Malaise
Dizziness	Nausea
Blurred vision	Muscle twitching / Tremors
Nausea	Sweating
Appetite changes	Convulsions

**Table 1. Common side effects associated with benzodiazepine use and withdrawal.**

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The main source of illicit benzodiazepines are diverted benzodiazepines, originally obtained on prescription. They are among the most frequently forged prescriptions. In the last 5 years the market has started to see a significant change in the types of compounds available and the way in which they are promoted. The websites of on-line research chemical vendors are now acting as shop windows for a new range of designer benzodiazepines or poorly characterized pharmaceutical research drugs, dug out of scientific archives. These now provide attractive, legal alternatives to prescription-only benzodiazepines due to their ready availability over the Internet at low prices.

Phenazepam was the first of the benzodiazepines to be actively marketed on-line as a legal high, back in 2009. This was followed by etizolam in 2012. After these drugs were scheduled in many countries, pyrazolam and flubromazepam were offered, marking the first appearance of designer benzodiazepines. Diclazepam also entered the market around the same time. More recently the release of new benzodiazepines has stepped up pace, with the launch of nifoxipam, deschloroetizolam, meclonazepam, clonazolam (clonitrazolam) and flubromazolam in 2014.



Further substances in this class are anticipated, whether they be retrieved from historical published literature or clever chemical modifications. The potential range of new pharmacologically active benzodiazepines is substantial, and parallels may be drawn with the cathinones and synthetic cannabinoids. The challenge for laboratories and reference material suppliers alike, is to try to keep pace!

Chiron closely monitor trends in New Psychoactive Substances and offer an extensive array of traditional, historical and designer benzodiazepines.

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<b>Adinazolam</b>					
11198.19-K-ME	Adinazolam	37115-32-5	1000µg/mL	methanol	1mL
11198.19-10MG	Adinazolam	37115-32-5	neat	neat	10mg
<b>Alprazolam</b>					
9382.17-100-ME	Alprazolam	28981-97-7	100µg/mL	methanol	1mL
9382.17-K-ME	Alprazolam	28981-97-7	1000µg/mL	methanol	1mL
9382.17-10MG	Alprazolam	28981-97-7	neat	neat	10mg
9382.17-50MG	Alprazolam	28981-97-7	neat	neat	50mg
9382.17-100MG	Alprazolam	28981-97-7	neat	neat	100mg
9864.17-100-ME	Alprazolam-d5	125229-61-0	100µg/mL	methanol	1mL
9864.17-K-ME	Alprazolam-d5	125229-61-0	1000µg/mL	methanol	1mL
9865.17-100-ME	α-Hydroxyalprazolam	37115-43-8	100µg/mL	methanol	1mL
9865.17-K-ME	α-Hydroxyalprazolam	37115-43-8	1000µg/mL	methanol	1mL
9866.17-100-ME	α-Hydroxyalprazolam-d5	136765-24-7	100µg/mL	methanol	1mL
9866.17-K-ME	α-Hydroxyalprazolam-d5	136765-24-7	1000µg/mL	methanol	1mL
<b>Bentazepam</b>					
9682.17-100-ME	Bentazepam	29462-18-8	100µg/mL	methanol	1mL
9682.17-K-ME	Bentazepam	29462-18-8	1000µg/mL	methanol	1mL
9682.17-10MG	Bentazepam	29462-18-8	neat	neat	10mg
<b>Bromazepam</b>					
10166.14-100-ME	Bromazepam	1812-30-2	100µg/mL	methanol	1mL
10166.14-K-ME	Bromazepam	1812-30-2	1000µg/mL	methanol	1mL
10166.14-10MG	Bromazepam	1812-30-2	neat	neat	10mg
10166.14-50MG	Bromazepam	1812-30-2	neat	neat	50mg
10166.14-100MG	Bromazepam	1812-30-2	neat	neat	100mg
<b>Chlordiazepoxide</b>					
9831.16-100-ME	Chlordiazepoxide	58-25-3	100µg/mL	methanol	1mL
9831.16-K-ME	Chlordiazepoxide	58-25-3	1000µg/mL	methanol	1mL
9831.16-10MG	Chlordiazepoxide	58-25-3	neat	neat	10mg
10767.16-100-ME	Chlordiazepoxide-13C6	N/A	100µg/mL	methanol	1mL
10767.16-K-ME	Chlordiazepoxide-13C6	N/A	1000µg/mL	methanol	1mL
<b>Clobazam</b>					
10362.16-100-AN	Clobazam	22316-47-8	100µg/mL	acetonitrile	1mL
10362.16-K-AN	Clobazam	22316-47-8	1000µg/mL	acetonitrile	1mL
10362.16-10MG	Clobazam	22316-47-8	neat	neat	10mg
10362.16-25MG	Clobazam	22316-47-8	neat	neat	25mg
10363.16-100-AN	Clobazam-13C6	N/A	100µg/mL	acetonitrile	1mL
10363.16-1MG	Clobazam-13C6	N/A	neat	neat	1mg
10363.16-5MG	Clobazam-13C6	N/A	neat	neat	5mg
10364.15-100-AN	Norclobazam	22316-55-8	100µg/mL	acetonitrile	1mL
10364.15-K-AN	Norclobazam	22316-55-8	1000µg/mL	acetonitrile	1mL
10364.15-10MG	Norclobazam	22316-55-8	neat	neat	10mg
10364.15-25MG	Norclobazam	22316-55-8	neat	neat	25mg
10364.15-50MG	Norclobazam	22316-55-8	neat	neat	25mg
10365.15-100-AN	Norclobazam-13C6	N/A	100µg/mL	acetonitrile	1mL
10365.15-1MG	Norclobazam-13C6	N/A	neat	neat	1mg
10365.15-5MG	Norclobazam-13C6	N/A	neat	neat	5mg
<b>Clonazepam</b>					
9301.15-100-ME	Clonazepam	1622-61-3	100µg/mL	methanol	1mL
9301.15-K-ME	Clonazepam	1622-61-3	1000µg/mL	methanol	1mL
9301.15-10MG	Clonazepam	1622-61-3	neat	neat	10mg
9301.15-50MG	Clonazepam	1622-61-3	neat	neat	50mg
9301.15-100MG	Clonazepam	1622-61-3	neat	neat	100mg
9302.15-100-ME	Clonazepam-d4	170082-15-2	100µg/mL	methanol	1mL

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9302.15-K-ME	Clonazepam-d4	170082-15-2	1000µg/mL	methanol	1mL
10758.15-100-ME	Clonazepam-13C6	1538556-00-1	100µg/mL	methanol	1mL
10758.15-5MG	Clonazepam-13C6	1538556-00-1	neat	neat	5mg
9303.15-100-ME	7-Aminoclonazepam	4959-17-5	100µg/mL	methanol	1mL
9303.15-K-ME	7-Aminoclonazepam	4959-17-5	1000µg/mL	methanol	1mL
9303.15-10MG	7-Aminoclonazepam	4959-17-5	neat	neat	10mg
9304.15-K-AN	7-Aminoclonazepam-d4	1215070-96-4	1000µg/mL	acetonitrile	1mL
9304.15-10MG	7-Aminoclonazepam-d4	1215070-96-4	neat	neat	10mg
<b>Clonazolam (Clonitrazolam)</b>					
10880.17-100-ME	Clonazolam	N/A	100µg/mL	methanol	1mL
10880.17-K-ME	Clonazolam	N/A	1000µg/mL	methanol	1mL
10880.17-10MG	Clonazolam	N/A	neat	neat	10mg
<b>Delorazepam</b>					
10605.15-100-ME	Delorazepam	2894-67-9	100µg/mL	methanol	1mL
10605.15-K-ME	Delorazepam	2894-67-9	1000µg/mL	methanol	1mL
10605.15-10MG	Delorazepam	2894-67-9	neat	neat	10mg
<b>Deschloroetizolam</b>					
10794.17-100-ME	Deschloroetizolam	40054-73-7	100µg/mL	methanol	1mL
10794.17-K-ME	Deschloroetizolam	40054-73-7	1000µg/mL	methanol	1mL
10794.17-10MG	Deschloroetizolam	40054-73-7	neat	neat	10mg
<b>Diazepam</b>					
2541.16-50-ME	Diazepam	439-14-5	50µg/mL	methanol	1mL
2541.16-100-ME	Diazepam	439-14-5	100µg/mL	methanol	1mL
2541.16-K-ME	Diazepam	439-14-5	1000µg/mL	methanol	1mL
2541.16-10MG	Diazepam	439-14-5	neat	neat	10mg
2541.16-25MG	Diazepam	439-14-5	neat	neat	25mg
2541.16-50MG	Diazepam	439-14-5	neat	neat	50mg
2541.16-100MG	Diazepam	439-14-5	neat	neat	100mg
2541.16-1G	Diazepam	439-14-5	neat	neat	1g
9187.16-100-ME	Diazepam-d5	65854-76-4	100µg/mL	methanol	1mL
9187.16-K-ME	Diazepam-d5	65854-76-4	1000µg/mL	methanol	1mL
9187.16-10MG	Diazepam-d5	65854-76-4	neat	neat	10mg
10799.16-100-ME	Diazepam-13C6	1538556-15-8	100µg/mL	methanol	1mL
10799.16-K-ME	Diazepam-13C6	1538556-15-8	1000µg/mL	methanol	1mL
2542.14-K-ME	5-Chloro-2-(methylamino)benzophenone	1022-13-5	1000µg/mL	methanol	1mL
2542.14-100MG	5-Chloro-2-(methylamino)benzophenone	1022-13-5	neat	neat	100mg
2703.15-100-ME	Nordiazepam	1088-11-5	100µg/mL	methanol	1mL
2703.15-K-ME	Nordiazepam	1088-11-5	1000µg/mL	methanol	1mL
2703.15-10MG	Nordiazepam	1088-11-5	neat	neat	10mg
9182.15-100-ME	Nordiazepam-d5	65891-80-7	100µg/mL	methanol	1mL
9182.15-K-ME	Nordiazepam-d5	65891-80-7	1000µg/mL	methanol	1mL
9182.15-5MG	Nordiazepam-d5	65891-80-7	neat	neat	5mg
9182.15-10MG	Nordiazepam-d5	65891-80-7	neat	neat	10mg
10800.15-100-ME	Nordiazepam-13C6	1538556-10-3	100µg/mL	methanol	1mL
10800.15-K-ME	Nordiazepam-13C6	1538556-10-3	1000µg/mL	methanol	1mL
<b>Diclazepam</b>					
10420.16-100-ME	Diclazepam	2894-68-0	100µg/mL	methanol	1mL
10420.16-K-ME	Diclazepam	2894-68-0	1000µg/mL	methanol	1mL
10420.16-10MG	Diclazepam	2894-68-0	neat	neat	10mg
<b>Etizolam</b>					
10394.17-100-ME	Etizolam	40054-69-1	100µg/mL	methanol	1mL
10394.17-K-ME	Etizolam	40054-69-1	1000µg/mL	methanol	1mL
10394.17-10MG	Etizolam	40054-69-1	neat	neat	10mg
<b>Flubromazolam</b>					
10838.17-100-ME	Flubromazolam	612526-40-6	100µg/mL	methanol	1mL
10838.17-K-ME	Flubromazolam	612526-40-6	1000µg/mL	methanol	1mL

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10838.17-10MG	Flubromazolam	612526-40-6	neat	neat	10mg
<b>Flubromazepam</b>					
10428.15-100-ME	Flubromazepam	2647-50-9	100µg/mL	methanol	1mL
10428.15-K-ME	Flubromazepam	2647-50-9	1000µg/mL	methanol	1mL
10428.15-10MG	Flubromazepam	2647-50-9	neat	neat	10mg
10604.15-100-ME	3-Hydroxyflubromazepam	62559-65-8	100µg/mL	methanol	1mL
10604.15-K-ME	3-Hydroxyflubromazepam	62559-65-8	1000µg/mL	methanol	1mL
10604.15-10MG	3-Hydroxyflubromazepam	62559-65-8	neat	neat	10mg
10604.15-25MG	3-Hydroxyflubromazepam	62559-65-8	neat	neat	25mg
<b>Flunitrazepam</b>					
9381.16-100-ME	Flunitrazepam	1622-62-4	100µg/mL	methanol	1mL
9381.16-K-ME	Flunitrazepam	1622-62-4	1000µg/mL	methanol	1mL
9381.16-10MG	Flunitrazepam	1622-62-4	neat	neat	10mg
9381.16-50MG	Flunitrazepam	1622-62-4	neat	neat	50mg
9381.16-100MG	Flunitrazepam	1622-62-4	neat	neat	100mg
9854.16-100-ME	Flunitrazepam-d3	219533-64-9	100µg/mL	methanol	1mL
9855.16-100-ME	Flunitrazepam-d7	N/A	100µg/mL	methanol	1mL
9380.16-100-ME	7-Aminoflunitrazepam	34084-50-9	100µg/mL	methanol	1mL
9380.16-K-ME	7-Aminoflunitrazepam	34084-50-9	1000µg/mL	methanol	1mL
9380.16-10MG	7-Aminoflunitrazepam	34084-50-9	neat	neat	10mg
9856.16-100-ME	7-Aminoflunitrazepam-d3	219533-65-0	100µg/mL	methanol	1mL
9856.16-K-ME	7-Aminoflunitrazepam-d3	219533-65-0	1000µg/mL	methanol	1mL
9856.16-10MG	7-Aminoflunitrazepam-d3	219533-65-0	neat	neat	10mg
9857.16-100-ME	7-Aminoflunitrazepam-d7	879894-27-6	100µg/mL	methanol	1mL
9857.16-K-ME	7-Aminoflunitrazepam-d7	879894-27-6	1000µg/mL	methanol	1mL
9857.16-10MG	7-Aminoflunitrazepam-d7	879894-27-6	neat	neat	10mg
<b>Lorazepam</b>					
2548.15-100-ME	Lorazepam	846-49-1	100µg/mL	methanol	1mL
2548.15-K-ME	Lorazepam	846-49-1	1000µg/mL	methanol	1mL
2548.15-10MG	Lorazepam	846-49-1	neat	neat	10mg
2548.15-50MG	Lorazepam	846-49-1	neat	neat	50mg
2548.15-100MG	Lorazepam	846-49-1	neat	neat	100mg
2360.13-100-ME	2-Amino-2',5-dichlorobenzophenone	2958-36-3	100µg/mL	methanol	1mL
2360.13-100MG	2-Amino-2',5-dichlorobenzophenone	2958-36-3	neat	neat	100mg
3804.15-100-ME	6-Chloro-4-(2-chlorophenyl)-2-quinazoline car	93955-15-8	100µg/mL	methanol	1mL
3804.15-25MG	6-Chloro-4-(2-chlorophenyl)-2-quinazoline car	93955-15-8	neat	neat	25mg
<b>Lormetazepam</b>					
10606.16-100-ME	Lormetazepam	848-75-9	100µg/mL	methanol	1mL
10606.16-K-ME	Lormetazepam	848-75-9	1000µg/mL	methanol	1mL
10606.16-10MG	Lormetazepam	848-75-9	neat	neat	10mg
<b>Meclonazepam</b>					
10810.16-100-ME	Meclonazepam	58662-84-3	100µg/mL	methanol	1mL
10810.16-K-ME	Meclonazepam	58662-84-3	1000µg/mL	methanol	1mL
10810.16-10MG	Meclonazepam	58662-84-3	neat	neat	10mg
<b>Metizolam (Desmethyletizolam)</b>					
11218.16-K-ME	Metizolam	40054-68-0	1000µg/mL	methanol	1mL
11218.16-10MG	Metizolam	40054-68-0	neat	neat	10mg
<b>Midazolam</b>					
10161.18-100-ME	Midazolam	59467-70-8	100µg/mL	methanol	1mL
10161.18-K-ME	Midazolam	59467-70-8	1000µg/mL	methanol	1mL
10161.18-10MG	Midazolam	59467-70-8	neat	neat	10mg
10161.18-25MG	Midazolam	59467-70-8	neat	neat	25mg
10389.18-100-ME	α-Hydroxymidazolam	59468-90-5	100µg/mL	methanol	1mL
10389.18-K-ME	α-Hydroxymidazolam	59468-90-5	1000µg/mL	methanol	1mL
<b>Nifoxipam (3-Hydroxydesmethyflunitrazepam)</b>					
10558.15-100-ME	Nifoxipam	74723-10-7	100µg/mL	methanol	1mL

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10558.15-K-ME	Nifoxipam	74723-10-7	1000µg/mL	methanol	1mL
10558.15-10MG	Nifoxipam	74723-10-7	neat	neat	10mg
<b>Nimetazepam</b>					
3836.16-100-ME	Nimetazepam	2011-67-8	100µg/mL	methanol	1mL
3836.16-K-ME	Nimetazepam	2011-67-8	1000µg/mL	methanol	1mL
3836.16-10MG	Nimetazepam	2011-67-8	neat	neat	10mg
<b>Nitrazepam</b>					
8605.15-100-ME	Nitrazepam	146-22-5	100µg/mL	methanol	1mL
8605.15-K-ME	Nitrazepam	146-22-5	1000µg/mL	methanol	1mL
8605.15-10MG	Nitrazepam	146-22-5	neat	neat	10mg
8605.15-50MG	Nitrazepam	146-22-5	neat	neat	50mg
8605.15-100MG	Nitrazepam	146-22-5	neat	neat	100mg
10390.15-100-ME	Nitrazepam-d5	136765-45-2	100µg/mL	methanol	1mL
10390.15-K-ME	Nitrazepam-d5	136765-45-2	1000µg/mL	methanol	1mL
10390.15-10MG	Nitrazepam-d5	136765-45-2	neat	neat	10mg
10391.15-100-ME	Nitrazepam-13C6	1538555-93-8	100µg/mL	methanol	1mL
9387.15-100-ME	7-Aminonitrazepam	4928-02-3	100µg/mL	methanol	1mL
9387.15-K-ME	7-Aminonitrazepam	4928-02-3	1000µg/mL	methanol	1mL
9387.15-10MG	7-Aminonitrazepam	4928-02-3	neat	neat	10mg
9819.15-K-ME	7-Aminonitrazepam-d5	1189511-46-3	1000µg/mL	methanol	1mL
9819.15-10MG	7-Aminonitrazepam-d5	1189511-46-3	neat	neat	10mg
<b>Oxazepam</b>					
2706.15-100-ME	Oxazepam	604-75-1	100µg/mL	methanol	1mL
2706.15-K-ME	Oxazepam	604-75-1	1000µg/mL	methanol	1mL
2706.15-10MG	Oxazepam	604-75-1	neat	neat	10mg
2706.15-25MG	Oxazepam	604-75-1	neat	neat	25mg
2706.15-50MG	Oxazepam	604-75-1	neat	neat	50mg
2706.15-100MG	Oxazepam	604-75-1	neat	neat	100mg
9185.15-100-ME	Oxazepam-d5	65854-78-6	100µg/mL	methanol	1mL
9185.15-K-ME	Oxazepam-d5	65854-78-6	1000µg/mL	methanol	1mL
9185.15-5MG	Oxazepam-d5	65854-78-6	neat	neat	5mg
9185.15-10MG	Oxazepam-d5	65854-78-6	neat	neat	10mg
2520.13-K-ME	2-Amino-5-chlorobenzophenone	719-59-5	1000µg/mL	methanol	1mL
2520.13-100MG	2-Amino-5-chlorobenzophenone	719-59-5	neat	neat	100mg
<b>Pivoxazepam</b>					
11190.20-K-ME	Pivoxazepam	55299-10-0	1000µg/mL	methanol	1mL
11190.20-10MG	Pivoxazepam	55299-10-0	neat	neat	10mg
<b>Phenazepam</b>					
2211.15-100-T	Phenazepam	51753-57-2	100µg/mL	toluene	1mL
2211.15-100-ME	Phenazepam	51753-57-2	100µg/mL	methanol	1mL
2211.15-K-T	Phenazepam	51753-57-2	1000µg/mL	toluene	1mL
2211.15-K-ME		51753-57-2	1000µg/mL	methanol	1mL
2211.15-10MG	Phenazepam	51753-57-2	neat	neat	10mg
2211.15-50MG	Phenazepam	51753-57-2	neat	neat	50mg
2211.15-100MG	Phenazepam	51753-57-2	neat	neat	100mg
8825.15-100-ME	3-Hydroxyphenazepam	70030-11-4	100µg/mL	Methanol	1mL
8825.15-K-ME	3-Hydroxyphenazepam	70030-11-4	1000µg/mL	Methanol	1mL
8825.15-10MG	3-Hydroxyphenazepam	70030-11-4	neat	neat	10mg
9947.15-100-ME	Phenazepam 4-oxide	1177751-52-8	100µg/mL	Methanol	1mL
9947.15-K-ME	Phenazepam 4-oxide	1177751-52-8	1000µg/mL	Methanol	1mL
9947.15-10MG	Phenazepam 4-oxide	1177751-52-8	neat	neat	10mg
<b>Prazepam</b>					
9465.19-100-ME	Prazepam	2955-38-6	100µg/mL	methanol	1mL
9183.19-100-ME	Prazepam-d5	152477-89-9	100µg/mL	methanol	1mL
<b>Pyrazolam</b>					
10427.16-100-ME	Pyrazolam	39243-02-2	100µg/mL	methanol	1mL



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10427.16-K-ME	Pyrazolam	39243-02-2	1000µg/mL	methanol	1mL
10427.16-10MG	Pyrazolam	39243-02-2	neat	neat	10mg
<b>Temazepam</b>					
9383.16-100-ME	Temazepam	846-50-4	100µg/mL	methanol	1mL
9383.16-K-ME	Temazepam	846-50-4	1000µg/mL	methanol	1mL
9383.16-10MG	Temazepam	846-50-4	neat	neat	10mg
9383.16-25MG	Temazepam	846-50-4	neat	neat	25mg
9383.16-50MG	Temazepam	846-50-4	neat	neat	50mg
9383.16-100MG	Temazepam	846-50-4	neat	neat	100mg
10717.16-100-ME	Temazepam-d5	136765-51-0	100µg/mL	methanol	1mL
10717.16-K-ME	Temazepam-d5	136765-51-0	1000µg/mL	methanol	1mL
10821.16.100-ME	Temazepam-13C,d3	1189871-79-1	100µg/mL	methanol	1mL

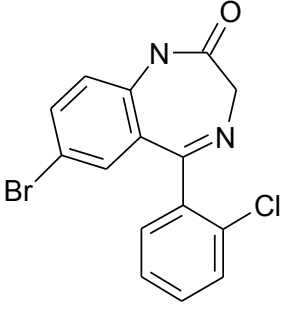
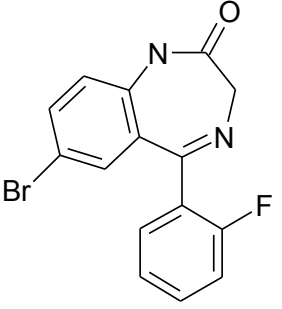
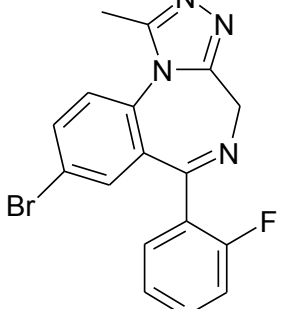
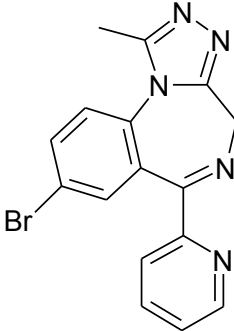
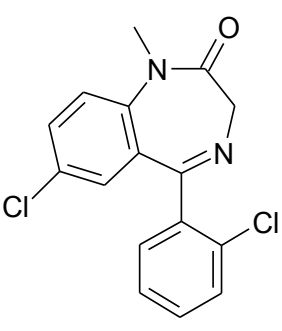
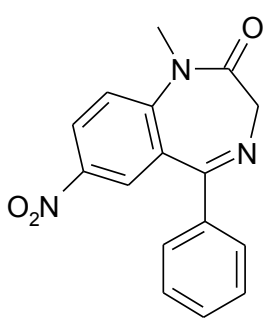
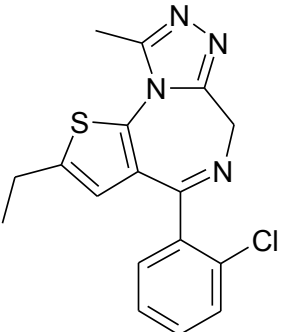
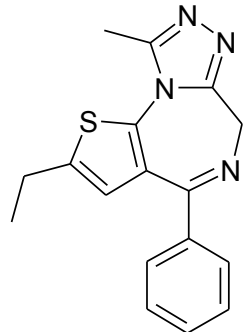
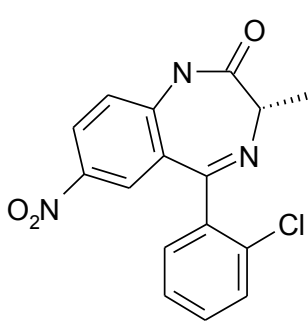
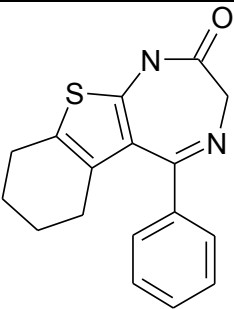
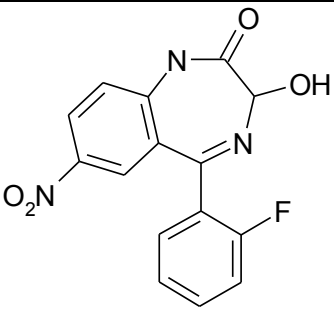

### Designer Benzodiazepine Mix

Order no.	Part no.	Description	CAS No.	Concentration	Solvent	Volume
S-4840-100-ME	2211,15	Phenazepam	51753-57-2	100µg/mL	methanol	1mL
	3836,16	Nimetazepam	2011-67-8			
	10394,17	Etizolam	40054-69-1			
	10428,15	Flubromazepam	2647-50-9			
	10420,16	Diclazepam	2894-68-0			
	10427,16	Pyrazolam	39243-02-2			
	9682,17	Bentazepam	29462-18-8			
	10558,15	Nifoxipam	74723-10-7			
	10794,17	Deschloroetizolam	40054-73-7			
	10810,16	Meclonazepam	58662-84-3			
10838,17	Flubromazolam	612526-40-6				

### Designer Benzodiazepine Mix

Order no.	Part no.	Description	CAS No.	Concentration	Solvent	Volume
S-4840-K-ME	2211,15	Phenazepam	51753-57-2	1000µg/mL	methanol	1mL
	3836,16	Nimetazepam	2011-67-8			
	10394,17	Etizolam	40054-69-1			
	10428,15	Flubromazepam	2647-50-9			
	10420,16	Diclazepam	2894-68-0			
	10427,16	Pyrazolam	39243-02-2			
	9682,17	Bentazepam	29462-18-8			
	10558,15	Nifoxipam	74723-10-7			
	10794,17	Deschloroetizolam	40054-73-7			
	10810,16	Meclonazepam	58662-84-3			
10838,17	Flubromazolam	612526-40-6				

## BMF 75-Benzodiazepines

PHENAZEPAM	FLUBROMAZEPAM	FLUBROMAZOLAM
		
PYRAZOLAM	DICLAZEPAM	NIMETAZEPAM
		
ETIZOLAM	DESCHLOROETIZOLAM	MECLONAZEPAM
		
BENTAZEPAM	NIFOXIPAM	WHAT'S NEXT.....
		

**Table 2. Chemical structures of the new designer benzodiazepines.**



## BMF 75-Benzodiazepines

### Non-Benzodiazepine Hypnotics (Z-drugs)

Zalplon, zolpidem and zopiclone, collectively known as 'Z-drugs', are a group of non-benzodiazepine hypnotic drugs used in the treatment of insomnia. They bind to the GABA<sub>A</sub> receptors at the same location as benzodiazepines but are believed to have greater benefit and fewer side effects than classical benzodiazepines.

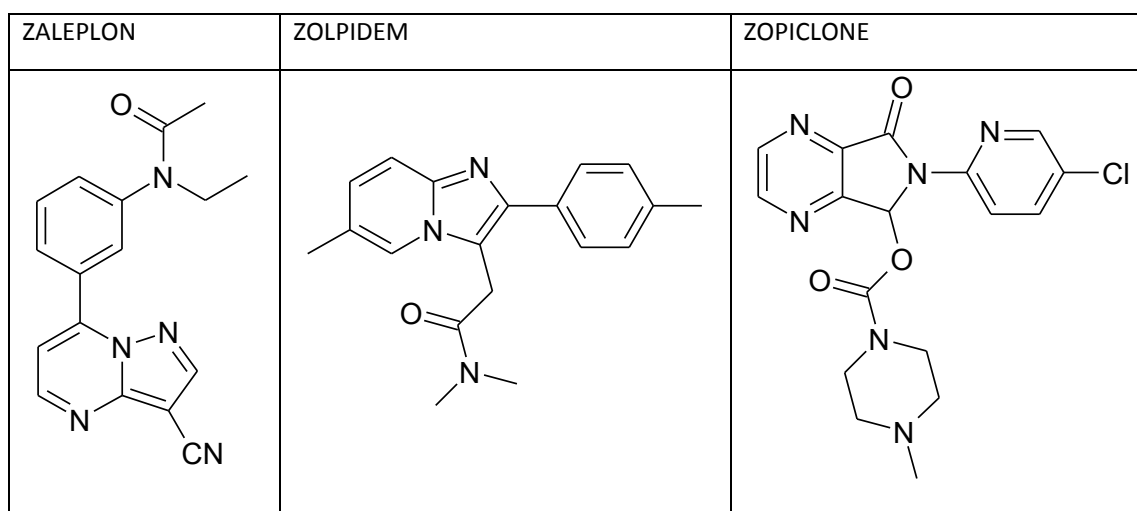
<b>Zaleplon</b>					
10866.17-100-ME	Zaleplon	151319-34-5	100µg/mL	methanol	1mL
10866.17-K-ME	Zaleplon	151319-34-5	1000µg/mL	methanol	1mL
10866.17-10MG	Zaleplon	151319-34-5	neat	neat	10mg
10867.17-100-ME	Zaleplon-d5	1001083-56-2	100µg/mL	methanol	1mL
<b>Zolpidem</b>					
9299.19-K-ME	Zolpidem	82626-48-0	1000µg/mL	methanol	1mL
9299.19-10MG	Zolpidem	82626-48-0	neat	neat	10mg
9300.19-100-ME	Zolpidem-d6	959605-90-4	100µg/mL	methanol	1mL
9300.19-10MG	Zolpidem-d6	959605-90-4	neat	neat	10mg
10252.19	Zolpidem-13C6	1538556-27-2	Please enquire		
9773.23	Zolpidem hemitartrate	99294-93-6	Please enquire		
10607.19-10MG	Zolpidem 6-Carboxylic acid	109461-15-6	neat	neat	10mg
10608.19-10MG	Zolpidem Phenyl-4-carboxylic acid	109461-65-6	neat	neat	10mg
<b>Zopiclone</b>					
9385.17-K-AN	Zopiclone	43200-80-2	1000µg/mL	Acetonitrile	1mL
9385.17-10MG	Zopiclone	43200-80-2	neat	neat	10mg
10325.17-100-AN	Zopiclone-d3	1398066-10-8	100µg/mL	Acetonitrile	1mL
10325.17-5MG	Zopiclone-d3	1398066-10-8	neat	neat	5mg
10271.17-K-AN	Zopiclone-d4	N/A	1000µg/mL	Acetonitrile	1mL
10271.17-10MG	Zopiclone-d4	N/A	neat	neat	10mg
9905.17-100-AN	Zopiclone-d8	N/A	100µg/mL	Acetonitrile	1mL
9905.17-K-AN	Zopiclone-d8	N/A	1000µg/mL	Acetonitrile	1mL
9905.17-10MG	Zopiclone-d8	N/A	neat	neat	10mg
10387.17-K-ME	Zopiclone-N-oxide	43200-96-0	1000µg/mL	Methanol	1mL
10387.17-10MG	Zopiclone-N-oxide	43200-96-0	neat	neat	10mg
10603.5-K-AN	2-Amino-5-chloropyridine	1072-98-6	1000µg/mL	Acetonitrile	1mL
10603.5-10MG	2-Amino-5-chloropyridine	1072-98-6	neat	neat	10mg
10603.5-100MG	2-Amino-5-chloropyridine	1072-98-6	neat	neat	100mg
10609.16-100-ME	Norzopiclone hydrochloride	59878-63-6	100µg base/mL	Methanol	1mL
10609.16-10MG	Norzopiclone hydrochloride	59878-63-6	neat	neat	10mg

<b>Z-Drug Mix</b>						
Order no.	Part no.	Description	CAS No.	Concentration	Solvent	Volume
S-4844-100-AN	10866.17	Zaleplon	151319-34-5	100µg/mL	acetonitrile	1mL
	9299.19	Zolpidem	82626-48-0			
	9385.17	Zopiclone	43200-80-2			

## BMF 75-Benzodiazepines

Z-Drug Mix						
Order no.	Part no.	Description	CAS No.	Concentration	Solvent	Volume
S-4844-K-AN	10866.17	Zaleplon	151319-34-5	100µg/mL	acetonitrile	1mL
	9299.19	Zolpidem	82626-48-0			
	9385.17	Zopiclone	43200-80-2			

Z-Drug Mix Internal Standard Mix						
Order no.	Part no.	Description	CAS No.	Concentration	Solvent	Volume
S-4845-100-AN	10867.17	Zaleplon-d5	1001083-56-2	100µg/mL	acetonitrile	1mL
	9300.19	Zolpidem-d6	959605-90-4			
	9905.17	Zopiclone-d8	1215518-83-4			



**Table 3. Chemical structures of the 'Z-Drugs'.**

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## BMF 75-Benzodiazepines



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