NEW BUREAU

The Bureau of Drug Abuse Control joined the Federal Bureau of Narcotics on April 8, 1968, to become the new Bureau of Narcotics and Dangerous Drugs in the Department of Justice.

STP CONTROLLED

4-Methyl-2, 5-dimethoxyamphetamine, also known as "DOM", or "STP", was placed under control April 2, 1968.

INDIA BEEDI

We have a report that students on a Florida campus are smoking "India Beedi" cigarettes in the belief that they contain peyote.

According to Internal Revenue Service's Alcohol and Tobacco Tax Laboratory, Washington, D.C., the cigarettes are a Government-sponsored home industry of India and are legally imported into the U.S.

The cigarettes contain tobacco, hand-rolled in a witch hazel leaf which has been soaked in a tobacco extract. They weigh about 0.5 gram each. The tobacco weighs about 0.14 gram and contains 3.2% nicotine. The witch hazel leaf contains about 0.5% nicotine from the tobacco extract.

Cigarettes obtained by officers have been tested several times for drugs and narcotics, but have been found negative.

DIPROPYLTRYPTAMINE (DPT)

One of our Field Offices recently encountered this "new" drug sprayed on parsley cigarettes. The manufacturer, a research chemist, bragged that he could add a carbon to the tryptamines and stay ahead of the law indefinitely. Dipropyltryptamine is reported to be physiologically active, but we understand that dibutyltryptamine is not.

CAUTION: Use of this publication should be restricted to forensic analysts or others having a legitimate need for this material.

From the Archive Library of Erowid Center
http://erowid.org/library/periodicals/microgram
# MICRO-GRAM INDEX

Issues No. 1 through No. 6, Volume I  
(November, 1967 - March, 1968)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Issue No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-(2-aminopropyl) indole (IT-290)</td>
<td>6</td>
</tr>
<tr>
<td>Amphetamine Tablets</td>
<td>5, 6</td>
</tr>
</tbody>
</table>

## Analysis

- Amphetamines  
- Bufotenin  
- Diethyltryptamine (DET)  
- Dimethyltryptamine (DMT)  
- Dimethyltryptamine (DMT) on parsley  
- Ibogaine  
- LSD  
- Mescal Buttons  
- Mescaline  
- Methylamphetamines  
- Methylenedioxymphetamine (MDA)  
- Peyote Buttons  
- Phencyclidine HCl  
- STP  
- Tetryl  

<table>
<thead>
<tr>
<th>Subject</th>
<th>Issue No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asthmador</td>
<td>2 &amp; 4</td>
</tr>
<tr>
<td>Books</td>
<td>4</td>
</tr>
<tr>
<td>Bufotenine (characteristics)</td>
<td>2 &amp; 4</td>
</tr>
<tr>
<td>Captagon Tablets</td>
<td>5</td>
</tr>
<tr>
<td>Carbona</td>
<td>5</td>
</tr>
<tr>
<td>Chemist, School</td>
<td>1, 4 &amp; 5</td>
</tr>
<tr>
<td>3-(o-chlorophenyl)-2-methyl-4 (3H)-quinazoline</td>
<td>3</td>
</tr>
<tr>
<td>Clandestine Laboratories</td>
<td>5 &amp; 6</td>
</tr>
<tr>
<td>Clinitest Tablets</td>
<td>1</td>
</tr>
<tr>
<td>Control Dates (Bufotenine, DET &amp; Ibogaine)</td>
<td>2</td>
</tr>
<tr>
<td>Cupcakes (LSD)</td>
<td>5</td>
</tr>
</tbody>
</table>

From the Archive Library of Erowid Center  
http://erowid.org/library/periodicals/microgram
DET (Diethyltryptamine-characteristics) 2 & 4
Dextroamphetamine Monotartrate & caffeine tablets 5
Dextromethorphan HBr Tablets 5
DMT 2, 4 & 6
DOM (See STP)
Flour, LSD capsule 1
Harmine 4
Hawaiian Wood Rose 4
Ibogaine (characteristics) 2
Indopan (See IT-290)
IT-290 (alph-Methyl tryptamine, 3 -(2-aminopropyl) indole, IT-403, U-14,164E, Indopan 6
IT-403 (See IT-290)
Kat (Khat, Catha) 4
Kinortine Tablets 5
Laboratory Exam, Request for 5
LSD 2
Marihuana 4
MDA 5
Mecloqualone 5
Mescal Buttons (see Peyote)
Mescaline 4
Methamphetamine 6
Methylphenidate 5
<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-(2-1&quot;'-Methyl-2&quot;'-Phenylethylamino)-ethyl-theophyllin HCl tablets</td>
<td>5</td>
</tr>
<tr>
<td>alpha -Methyl tryptamine (IT-290)</td>
<td>6</td>
</tr>
<tr>
<td>Methylenedioxy Amphetamine (MDA)</td>
<td>5</td>
</tr>
<tr>
<td>Morning Glory</td>
<td>3 &amp; 4</td>
</tr>
<tr>
<td>Nubarene</td>
<td>5</td>
</tr>
<tr>
<td>PCP (see phencyclidine HCl)</td>
<td></td>
</tr>
<tr>
<td>Peace Pill (see phencyclidine HCl)</td>
<td></td>
</tr>
<tr>
<td>Peyote</td>
<td>4</td>
</tr>
<tr>
<td>Phencyclidine HCl (Peace Pill, PCP)</td>
<td>3 &amp; 6</td>
</tr>
<tr>
<td>Psilocybin</td>
<td>4 &amp; 6</td>
</tr>
<tr>
<td>Queen Anne's Lace</td>
<td>5</td>
</tr>
<tr>
<td>References</td>
<td>6</td>
</tr>
<tr>
<td>Ritalin (Ciba) Methylphenidate</td>
<td>5 &amp; 6</td>
</tr>
<tr>
<td>Romilar Tablets</td>
<td>5</td>
</tr>
<tr>
<td>Sansert (Methysergide) Sandoz 1-methyl-lysergic acid butanolamide</td>
<td>6</td>
</tr>
<tr>
<td>School-chemists</td>
<td>1 &amp; 4</td>
</tr>
<tr>
<td>Smash</td>
<td>4</td>
</tr>
<tr>
<td>Sominex</td>
<td>2</td>
</tr>
<tr>
<td>STP</td>
<td>1 &amp; 2</td>
</tr>
</tbody>
</table>

**Tablets**

<table>
<thead>
<tr>
<th>Tablet Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amphetamine</td>
<td>5</td>
</tr>
<tr>
<td>Captagon 7-(1-&quot;Methyl-2&quot;-Phenyl-ethylamino ethyl)-theophyllin HCl</td>
<td>5</td>
</tr>
<tr>
<td>Dextroamphetamine Monotartrate and caffeine</td>
<td>5</td>
</tr>
<tr>
<td>Romilar (Dextromethorphan 1+Br)</td>
<td>5</td>
</tr>
</tbody>
</table>
Tetryl
Tranquinal
Trimethoxyamphetamine (TMA)
U-14,164E (see IT-290)
Wild Carrot (see Queen Anne's Lace)
This comprehensive list of DACA drugs has been compiled by the Bureau of Drug Abuse Control, Food and Drug Administration. The listing includes—in alphabetical order—trade names, non-proprietary names, chemical names and synonyms of DACA-controlled drugs. Products covered are single stimulant, depressant and hallucinogenic drugs, as well as combination products. In parentheses after each trade name is the name of the manufacturer and uncommon synonyms are followed by chemical entity.

Combination products submitted to BDAC with a request for an exemption and for which exemption was denied are denoted by a bullet (*). Products without a bullet are considered to be covered under the Drug Abuse Control Amendments of 1965.

All drugs in this list are now covered by all DACA regulations—including record-keeping provisions and the limitation on the prescription order of six months and five authorized renewals.

FDA still is considering the status of chlordiazepoxide and its salts (Lorazepam) and diazepam (Valium). FDA has postponed the effective date of the final order listing metopramate under the 1965 Drug Abuse Control Amendments, pending the outcome of the petition filed by Carter-Wallace in the U.S. Court of Appeals for the Fourth Circuit in Richmond, Va.

This listing now supersedes all previously published listings of DACA-controlled drugs.

### List of Drugs

**A**

- A-884 (Methylamphetamine)
- Abacal (Massengill)
- Abadex No. 1, 2 and 3 (ABA)
- Abate (Camberidge)
- A.C.A.P. (Halsom)
- Ad-Nil (Prescription Drug Service)
- Adenex (Jules)
- Adetate (M.S. and D.)
- Adipan (Amphetamine Sulfate)
- Adipar (Amphetamine Sulfate)
- Adipex (Methylamphetamine)
- Adjudet Troches (ives)
- Ad-Nil No. 2 (Medics)
- Ad-Nil (Medics)
- Aderine
- Afatin (d-Amphetamine Sulfate)
- Afetine (d-Amphetamine Sulfate)
- Agynal (Phenobarbital)
- Aironol (Airhart)
- Airo-Sel (Airhart)
- Airo-Talal (Airhart)
- Airotaedron
- Ailadine Tablets (Table Rock)
- Ailadine Tablets and Liquid (Merit)
- Ailadine Liquid (Table Rock)
- Aifed (Crest)
- Albemap (d-Amphetamine Sulfate)
- Albalol (Medical Arts)
- Alenvod (Amphetamine Sulfate)
- Alespal (Fougera)
- Allen No. 2 (Superior)
- Aiklix Nox (MacEsin)
- Alfozabarbitol
- Allobarbitone
- Alloedione (Amphetamine Sulfate)
- Allon Tablets (Roche)
- Allylbarbituric Acid
- Allylsobutylbarbituric Acid
- Allylsopropylbarbituric Acid
- Allylsopropylmethylamine
- Allylsopropylmethylbarbituric Acid
- Alpyrominal
- Alm-Capsules (Cumberland)
- Alphamine Capsules (Alpha)
- Alphamine 10 Capsules (Alpha)
- Alprine (Umer)
- Alspor Elizir (Approved)
- Alurate (Hoffmann-La Roche)
- Alurate Sodium (Hoffmann-La Roche)
- Alurate Verum Elizir (Hoffmann-La Roche)
- Alufo (Foy)
- Alutrocol (Tutag)

**Amfamines**

- Amfamines (Caldwell and Bloor)
- Amnapam Tablets (Trimen)
- Amba-Dex TD (Moffeit)
- Amba-Dex (Moffeit)
- Ambar (Robins)
- Ambar No. 1 and 2 (Robins)
- Ambar Capsules (Mann)
- Ambar-Capsules (Mann)
- Ambodex (Testagor)
- Ambodex (Testagor)
- Ambrol (Smith and Miller and Patch)
- Amcobarb Dakaps (Amco)
- Amcobarb Dakaps (Amco)
- Am-Dex (Superior)
- Amdrine (Methamphetamine)
- Amertal (Meth)
- Amex Tablets (Pasadena)
- Amfodil (Philips Roxane)
- Amfebars (Gold Leaf)
- Amf-Dox-20 (Stuckbaker)
- Amfetamine (Amphetamine Sulfate)
- Amgesic (Deseret)
- Aminerine (Normand)
- Ammonium Chloride Compound Capsules (Eder)
- Amobarbital
- Amobarbital Sodium
- Amoobs (Cole)
- Amo-Med (Morris)
- Amo-Dex (Rocky Mountain)
- Amo-Dextrosule Jr. and Sr. (Storck)
- Amo-Dextrosule Sr. Timesule (Arn-Stone)
- Amo-Dexules Capsules (Recsei)
- Amo-Dexules No. 1 and 2 (Recsei)
- Amodril (North American)
- Amo-Dureide (Vasfod)
- Amo-Dexules Capsules (Testagor)
- Amo-Pelicaps No. 1 and 2 (Kirkman)
- Amorose Tablets (Palmedico)
- Amorex Injection (Mallard)
- Amosc Capsule No. 2 (Penhurst)
- Amossen (Fernuale)
- Amospan (B.S. and L.)
- Amo-Trans (Superior)
- Amofrac Capsules (Jameson-McKames)
- Amozor (North American)
- Amphetamine Tablets (Winsted)
- Amphetamine Tablets (Studebaker)
- Amphetamine (Amphetamine Sulfate)
- Amphetamine Tablets (Saranberg)
- Amphamin Tablets (Narum)
- Amphamin Tablets (Sonnenberg)
- Amphamin Tablets (Palmedico)
- Amphab (Harvey)
Ibrozetine (Amphetamine Sulfate)
 Ibogaine
 Ideal Tablets (Interstate)
 Indazol (Indianapolis)
 Indocyn (Paloeyrin)
 Indorex (Pasadena)
 Indorex No. 1 and No. 2 (Pasadena)
 Indorex-C (Pasadena)
 Infadom Drops (Red-Provident)
 Infaex (Tri-State)
 Insed Tablets (Denab)
 Insomintal Tablets (Buffington)
 Intraval Sodium
 I-Pac (Spencer-Mead)
 Ipral
 Ipral Sodium (Squibb)
 Isamin (Amphetamine Sulfate)
 Isaomyne (Amphetamine)
 Isaomyne (Amphetamine Sulfate)
 Isobarb (U.S. Standard)
 Isobarb-APC Tablets (Richlyn)
 Isobutil (Henry Schein)
 Isolute-APC (Columbia)
 Isotuballylarbarbital Acid
 Isotyl (Rugby)
 Isomy (Amphetamine Sulfate)
 Isomyl
 Isophan (Methamphetamine)
 Isophen (Methamphetamine)
 Issosed Tablets (Nysco)
 Isothal (U.S. Standard)
 Isothal 1/2; (U.S. Standard)
 Isobitaril

J
 Jadedex Tablets (Mid-Atlantic)
 Jensenex (Jenkins)
 Juniors Phenobarbital (P.J. Noyes)
 Jurasale Jr. and Sr. (Storch)

K
 Kalcyanate (St. Louis)
 Kaobarb (Barnholt)
 Kaobarb-LA (Yale)
 Kelav (Haisom)
 Kemadrin (Methamphetamine)
 Kental (Kendall)
 Kessodrate (McKesson)
 Kirkobe No. 3 (Kirk)
 Kinidex-TD (Knight)
 Klonopin Ten Capsules (Knight)
 Kirised Tablets (Knight)
 Kn-Tal (Knight)
 K-K-T (King)
 K-Kraf (Kraft)
 K-Kraftakne (Kraft)
 K-Kraftplex (Kraft)
 K-Kraftquad No. 3 (Kraft)
 K-Krobin (Kraft)
 K-Kused Capsule (Kremers-Urban)
 Kylokeeb Tablets (Kyke)

L
 Laevonate-PM (Jaber)
 Lamoxide No. 1 and 2 (Tri-State)
 La-Pamitamene
 La-Pamitamene Succinate
 Lamazine (Levamisole)
 Lasodex (Tri-State)
 Latrodex w/ Phenobarbials (Phenobarbials Product)
 Lavon (Suoerior)
 Lavudex (Jaber)
 Lavudine Coenzyme (Cenci)
 Lee-Sed (Rucker)
 Lemo-AP Tablets (Fisgard)
 Lentanil (O-Amphetamite Sulfate)
 Leodrin (Amphetamite Sulfate)
 Lextens (Sherry)
 Lethal Injection (Pittman-Moore)
 Leverphenamine
 Levamitamine Succinate
 Levatol (Pasadenic)
 Levetamine (Abbott)
 Levoamitamine Alginate
 Levo-Ducvem (Barnholt)
 Levo-Triles (Wilfred)
 Leonor (Cooper-Tinsley)
 Lifo-Drex Injection (New Mexico)
 Lignithmine
 Lipogen Trises (Wilfred)
 Lipogen S Trises (Wilfred)
 Liquid No. 6-AAP (Stuart)
 Liquid No. 6-AEG (Wendi-Bristol)
 Liquid No. 6-AGM (Wendi-Bristol)
 Liquid No. 6-AMT (Davis and Sly)
 Liquid No. 6-NNU (Lynns)
 Liquid No. 6-BAT (Durot)
 Liquitil (M.S. and D.)
 Liquid No. 100-1-C.T. (Kirkan)
 Lsophaphen (Mastigill)
 Loral (Wallace E.)
 Lornal (Arnir-Stone)
 Lonyi (Kemens-Urban)
 Loubarb (Louisoum)
 Lowate Tablets (Key)
 Lowbarb-CTR (Lowe)
 Lowexed-CTR (Lowe)
 LSD
 LSD-25
 Lufl Tablets (Foy)
 Lui-S Tablets (Foy)
 Luliflor (Buffingtons)
 Luminal (Winthrop)
 Luminal Sodium (Winthrop)
 Luminal Sodium in Propylene Glycol Injection
 Lurline (Fielding)
 Luxul Capsules (Ludy)
 Lycoral (Fellowes)
 Lyn-TD Capsules (Lyndon)
 Lynburner (Lynn)
 Lynneocell Tablets (Lynn)
 Lynprome Injection (Lynn)
 Lynamed (Lynn)
 Lysergic Acid
 Lysergic Acid Amide
 Lysergic Acid Diethyl Amide
 Lytofen (Wilco)
 Maxitlon (Amphetamine)
 Maxidox (d-Amphetamine Sulfate)
 M-Buta (Miserener)
 M-Buta L.A. (Miserener)
 M-Dex No. 1 and 2 (Miserener)
 M-Dex No. 19 (Echos)
 M-Dex No. 15 (Echos)
 M-Dex No. 2 (Echos)
 M-Dex 10 (Miserener)
 M-Dex 15 (Miserener)
 Mebalax (Winthrop)
 Medroin (Winthrop)
 Medusal-C (Ethical Specialties)
 Medul (Medco)
 Meprodin (Amphetamine Sulfate)
 Med-Alex (Medco)
 Medared (Medar)
 Medex (Medco)
 Medexin (Haberle)
 Medinal (Warner)
 Medofin (Geigy)
 Mento-Sal (Walker)
 Mephalbarb Elhir (Mayrand)
 Mephamosin (Oxford)
 Mepheramin (Lynn)
 Mepheramin w/ Phenobarbital MLT-TD (Nysco)
 Mephesal (Garde)
 MephesaL Physicians Drug and Supply
 Mephe-U (Walker)
 Mepobarb Injection, Veterinary (Kay)
 Mepobarbital
 Mepoxybin Tablets (Lynn)
 Mescaline
 Micralose (Tulag)
 Methylamphetamine
 Methylsalac (Methamphetamine)
 Metamphetamine Chlorhydrate (Jaber)
 Metha-Dex (H. Sonnenberg)
 Methadex (Nysco)
 Methamphetamine Saccharate
 Methamphetamine Sulfate
 Methamphetamine w/ B-Complex (Franklin)
 Methamphetamine (Rorer)
 Metheramil (Methamphetamine)
 Methedrine HCI (Burroughs-Wellcome)
 Methefed (Mid-Atlantic)
 Methenexyl
 Methenexyl Sodium
 Methen-TD (Interstate)
 Meth-OD Tablets (Trimen)
 Methoren Tablets (Nysco)
 Methoxyn (Kenny)
 Methylamphetamine (Methamphetamine)
 Methylbenzodrin (Methamphetamine)
 Methylisamid (Methamphetamine)
 Methylisomine (Methamphetamine)
 Methylisomyne (Methamphetamine)
 Methylpropam (Methamphetamine)
 Methyprylon
 Metosed (Metro-Med)
 Milgesic (Thea-Medic)
 Milistra Tablets (Milan)
 Mildex (Bonar)
 Mill-A-Sed (E.S. Miller)
 Miller-Dine (Miller)
 Minetuna (Amphetamine Sulfate)
 Minobar (Minette)
 Minukol (Elder)
 Monetogen (Northwest)
 Monopchop Tablets (Tilden-Yates)
 Monopohl (Harvey)
 Monsyl (Armour)
 M-Sed Liquid (Miserener)
 M-Tablofe (Winning-Peplau)
 Multibarb-MLT (Hartford)
 Multibarb (Cole)
 Muselax (Cole)
 Myatole (Gfalt)
 Mycin (Caldwell and Bloor)
 Myctal Injection, Veterinary (Warren-Teed)
 Mytophesia Injection, Veterinary (Massengill)

N
 Naliteran (Nelser)
 Namuron
 NA-Pent (Mayerand)
 NA-Pent Injection (Mayrand)
 Naps-Tabs (Sanis)
Sulfonmethane
Sulfonmethane
•Sulpheta B Ovules No. 2 (Vita Elixir)
• Sulphet-A B Ovules No. 3 (Vita Elixir)
• Sulphet Ovules No. 2 (Vita Elixir)
• Sybolan (Massengill)
• Sympamin-D (d-Amphetamine Sulfate)
• Synaptdrine (Amphetamine Sulfate)
• Synactyl (Airhart)
• Synatam (Neisler)
• Synatam Forte (Neisler)
• Synate (Central)
• Syndex (McNeil)
• Synex Tablets
• Synnedrine (Amphetamine Sulfate)
• Synrel (McNeil)

T

• T-101 (Bell)
• T-110 (Bell)
• T-115 (Bell)
• T-125 (Bell)
• T-131 (Bell)
• T-135 (Bell)
• T-145 (Bell)
• T-146 (Bell)
• T-147 (Bell)
• T-148 (Bell)
• T-23 (Bell)
• T-32 (Bell)
• T-33 (Bell)
• T-35 (Bell)
• T-36 (Bell)
• T-37 (Bell)
• T-38 (Bell)
• T-40 (Bell)
• T-41 (Bell)
• T-45 (Bell)
• T-50 (Bell)
• T-55 (Bell)
• T-332 (St. Louis)
• T-8/9 (Bush)
• Tablet No. 1-ALK (Physicians Supply)
• Tablet No. 1-BKK (Caldwell and Bloor)
• Tablet No. 1-BLN (Davis and Sly)
• Tablet No. 1-BND (Caldwell and Bloor)
• Tablet No. 1-BRQ (Davis and Sly)
• Tablet No. 1-BVD (Davis and Sly)
• Tablet No. 1-BZC (Caldwell and Bloor)
• Tablet No. 1-13450 (Davis and Sly)
• Tablet No. 3-AGC (Heyl)
• Tablet No. 3-AJA (Sherwood)
• Tablet No. 3-ASJ (Davis and Sly)
• Tablet No. 3-ASK (Davis and Sly)
• Tablet No. 312717 (Lyons)
• Tablet No. 4-ALI (Caldwell and Bloor)
• Tablet No. 4-AJE (Schuemann-Jones)
• Takarb No. 1 and 2 (Cenci)
• Talal Tablets (Tully)
• Talamo (Merrell)
• Talascobic (Merrell)
• Talpenio (Merrell)
• Talpheno (Merrell)
• Tamparine (Merrell)
• Tatol Tablets (Craig)
• Taxite Capsules (Lancer)
• T-Barb (Tennessee)
• TD-10/60 (St. Louis)
• T-D Caps A (Wendt-Bristol)
• T-D Caps 10 (St. Louis)
• T-D Caps 10 (Wendt-Bristol)
• T-D Caps 15 (St. Louis)
• T-D Caps 15 (Wendt-Bristol)
• T-D Caps 15-100 (Bush)
• T-D Stern Capsules (Pasadena)
• T-Dees w/ Amobarbital (Pasadena)
• Teedex-LC Capsules (Teemar)
• Teedex Tablets (Teemar)
• Teno-Dt No. 3. 15 mg (Rugby)
• Teneed (Foy)
• Teg-Dex-10 (Ortego)
• Teg-Dex-15 (Ortego)
• Tempo-Dex Tablets (Rasman)
• Tempo-Dex 15 (Buffalo)
• Tempoxed (d-Amphetamine Sulfate)
• Temponphene (Tutig)
• Temponphene-H (Tutig)
• Temsert No. 2 (Arnold-Stone)
• Ten-Shun (Haberle)
• Tensel (Foy)
• Tensile-L (Medical Service)
• Tensivel (Foy)
• Tension Aid (Lil)
• Tenstan (Standex)
• Tisalox (Paul Money)
• Teon (Winters)
• Teon No. 1 Timecaps (Winters)
• Teon No. 2 Timecaps (Winters)
• Terp Compound Tabs (United Research)
• Terpi-Chlor (Richlyn)
• Terpico (Garde)
• Terpi-Kal (Approved)
• Terpin-Hy-Chlor (Darby)
• Terpinon (Medco)
• Terpyramous (Lustgarten)
• Tetrahedrophenobarbital
• Tetron!
• Thalmedes (Kenyon)
• Thiaminal (Ascher)
• Thioalphen-Ph Unicol 748 (Paul Money)
• Theptine Elixir (Smith Kline and French)
• Theratone (Day-Baldwin)
• Theratone-B (Day-Baldwin)
• Thibarb (Caldwell and Bloor)
• Thiamine-P (Vitamins)
• Thiamine-CT (Standex)
• Thibarb (Zemmer)
• Thioental
• Thioental Sodium
• Thiophenobarbital
• Tetrahydrophenobarbital
• Tetrons!
• Tidex (Jon Hall)
• Timed Tobia Capsules (Testagar)
• T.M. and 10 (TMCO)
• T.M. 10-60 (TMCO)
• T.M. 15-100 (TMCO)
• T.M. 15-100 Capsules Special (TMCO)
• T.M. Capri-5 (TMCO)
• T.M. Dextrobars (TMCO)
• T.M. Secobarbital Sodium (TMCO)
• T.M. Sodium Pentobarbital (TMCO)
• Tobalar Caps (Ascher)
• Tolamine Tablets (Clark and Clark)
• Tolaphen-Phenobarbital
• Tolubrezum (Zemmer)
• Toltsamide Phenobarbital (Cenci)
• Tolsoem No. 2 (Superior)
• Tonemed (Edom)
• Tonedrin (Methamphetamine)
• Tonedron (Methamphetamine)
• Tonic Ampho-Cellulose (TMCO)
• Tonic Barbitol (TMCO)
• Tonic Dextrobars (TMCO)
• Tonic Secobarbital (TMCO)
• Tonic-Tran (TMCO)
• Tonedex Tablets (Key)
• T-O-W Tablets (Kenyon)
• Tragesin (Vain)
• Tran-Bar (Bryne)
• Tranbusol (Southern)
• Tran (Buffingtons)
• Trancalach Tablets (Kenyon)
• Tranizer (Wabash)
• Trandal (Delriot)
• Tranqualins (Nayes)
• Transed (Buffingtons)
• Transal (Gateway)
• Transsile (Brenn)
• Transab (Plymouth)
• Trapanal (Thiopental Sodium)
• Tred-Caps (Santo)
• Trenkelti (Stueffert-Agar)
• Tredosex (Midwest)
• Triangle Reducing Tablets No. 1 (Davis-
Edward)
• Triangle Reducing Tablets No. 2 (Davis-
Edward)
• Triaxin (Mayrand)
• Tri-Bars (High)
• Tribromal Tablets (Parker)
• Tri-Dex (Testagar)

From the Archive Library of Erowid Center
http://erowid.org/library/periodicals/microgram
Recent purchases of alleged methamphetamine tablets were found to actually be the above product. This compound closely resembles d-methamphetamine in the volatility test with gold chloride. The hydrochloride derivative prepared from it has nearly identical melting point to that of d-methamphetamine. The picrate derivative melting point and the infra-red spectra of the hydrochloride derivative differentiate it from d-methamphetamine. The subject tablets contain 25 milligrams, which is greater than encountered in methamphetamine products.
TLC OF SOME SYMPATHOMIMETICS

Raymond C. Grant, National Center for Drug Analysis,
St. Louis, Mo.

Recently this laboratory needed a rapid and effective alternate method to distinguish between some of the common sympathomimetics such as amphetamine, methamphetamine, phenylpropanolamine, and ephedrine.

Four samples of white double-scored tablets were received in this laboratory for qualitative and quantitative analysis of the active ingredients. Routine examinations by the gold chloride test (1) produced needles similar to d-amphetamine.

Prior analysis by the local Police Department had indicated the presence of caffeine; therefore, the samples were chromatographed according to the NF XII procedure for amphetamine sulfate (2). The chloroform wash was used for the caffeine assay. The TLC and subsequent IR analyses showed that the compound thought to be amphetamine was actually ephedrine. The tablets contain 15 mg ephedrine sulfate and 200 mg caffeine.

Method

Reagents

(a) Standards of sympathomimetics.--Solutions of 50 mg/ml in water of each of the following compounds: amphetamine HCl, phenylpropanolamine HCl, methamphetamine HCl, and ephedrine HCl.

(b) Mixed standard.--Mix 0.5 ml of each of the individual standards of (a).

(c) Caffeine standard.--1 mg/ml in chloroform.

(d) Developing solvent.--Acetonitrile:benzene:ethyl acetate: concentrated NH₄OH (60:15:10:10) (3).

(e) Iodoplatinate spray reagent.--Mix 3 ml 10% platinum chloride with 97 ml water; then mix this solution with 100 ml 6% aqueous KI (4). Heat on the steam bath for 30 min or age one day to give desired color development.
Equipment

(a) **TLC plates.**--Use silica GF plates (Mallinckrodt Chemical Works, No. 7105) or equivalent at 250 μ thickness. Air-dry the plates overnight and store in an undesiccated cabinet.

(b) **UV light.**--Short wave, or chromato-vue, equipped with one short wave 15 watt lamp.

(c) **Micropipets**.--5 and 10 μl.

(d) **Chromato-sprayer.**--Warner-Chilcott Laboratory Instrument Division, or equivalent.

(e) **Developing tank.**--Stainless steel, 9 x 9 x 3 1/2", or equivalent. Line with four 8 x 8" sheets of Whatman 3MM filter paper to aid equilibration. Equilibrate for 15 min before chromatographing samples.

Procedure

Finely powder one tablet and prepare as in the NF XII assay for amphetamine sulfate (2).

Evaporate the 100 ml chloroform pre-wash to 10 ml. Spot 5 μl of this concentrate on the silica GF plate and view the spot under short wavelength UV light. Any UV-absorbing compound extracted from the column, such as caffeine, will appear as a dark spot against a white background.

Extract and assay amphetamine and similar sympathomimetics according to the NF XII assay (2). Make alkaline with NaOH and re-extract the basic compounds from the aqueous phase into 15 ml of chloroform. Filter the chloroform layer through a pledget of cotton into a 20 ml beaker. Add two drops of concentrated HCl to the filtrate and evaporate to dryness. Use 2 mg of the residue to make a KBr pellet for IR identification and use a small portion for chemical microscopy. Take up the remainder of the residue in 2-3 drops of distilled water and spot 10 μl of this solution on the plate with the caffeine or other suspected compounds found in the chloroform pre-wash. Spot 5 μl of the individual sympathomimetic standards and the caffeine standard, and 10 μl of the mixed standards. The spots of the aqueous solutions of standards and samples should be dried with the aid of a stream of air from a hair dryer or similar source. View the plate under UV light after spotting to insure that a large enough quantity of the sample has been spotted.
Develop the plate in a tank previously saturated with developing solvent. After development dry the plate in a forced draft oven at 60°C for 5 min and view under shortwave UV. To obtain more information spray the plate with the iodoplatinate spray reagent. (Make sure the odor of ammonia is no longer detectable on the plate before spraying.) The four sympathomimetic amines will give different colored spots against a pink background. Their descriptions and corresponding Rf values are reported in Table 1. As little as 25 µg of the sympathomimetics can be detected if the plates are modified by using a thin column method (5).

Table 1. TLC of sympathomimetics and caffeine

<table>
<thead>
<tr>
<th>Compound</th>
<th>Rf x 100</th>
<th>Color of Spot</th>
<th>UV Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amphetamine HCl</td>
<td>40</td>
<td>Blue</td>
<td>Blue</td>
</tr>
<tr>
<td>Methamphetamine HCl</td>
<td>34</td>
<td>Purple</td>
<td>Blue</td>
</tr>
<tr>
<td>Phenylpropanolamine HCl</td>
<td>29</td>
<td>Tan</td>
<td>Blue</td>
</tr>
<tr>
<td>Ephedrine HCl</td>
<td>26</td>
<td>Tan w/purple halo</td>
<td>Blue</td>
</tr>
<tr>
<td>Caffeine</td>
<td>61</td>
<td>Dark blue</td>
<td></td>
</tr>
</tbody>
</table>

References


(3) Internal Revenue Service Publication #341 (Rev. 12-66), p. 114.


GAS CHROMATOGRAPHIC IDENTIFICATION OF SEVERAL BDAC DRUGS

James Heagy and James Look
San Francisco District

The following method was developed to identify illegal drugs in BDAC samples. The method has been helpful in detecting STP (2,5-dimethoxy-4-methyl amphetamine) and other drugs in capsules of LSD (Lysergic acid diethylamide).

Procedure:

Add powdered or liquid sample equivalent to one dose to a separatory funnel containing 10 ml of water. Neutralize with (1+1) HCl, if basic, and add one drop excess HCl. Extract with 15 ml CHCl₃, discarding the CHCl₃ layer. Neutralize with 6N NaOH and add one drop excess. Extract with two 15 ml portions of CHCl₃, filtering the extracts through a small cotton wad placed in funnel stem. Evaporate the CHCl₃ to a small volume, add 5 drops of (1+5) HCl and evaporate to dryness. Take up the residue in 5 ml of methanol and inject 5 μl. Dilute as necessary to give useful peak heights.

Apparatus:

BC 50GC gas chromatograph with KCl thermionic detector. (1)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column:</td>
<td>10% DC 200 on Gas Chrom Q 80/100 mesh</td>
</tr>
<tr>
<td>length:</td>
<td>6 ft, diameter: 4 mm</td>
</tr>
<tr>
<td>Column Temperature</td>
<td>2000°C</td>
</tr>
<tr>
<td>Injector Temperature</td>
<td>201°C</td>
</tr>
<tr>
<td>Detector Temperature</td>
<td>208°C</td>
</tr>
<tr>
<td>Nitrogen Flow Rate</td>
<td>85 cc/min</td>
</tr>
<tr>
<td>Hydrogen Flow Rate</td>
<td>27 cc/min</td>
</tr>
<tr>
<td>Air Flow Rate</td>
<td>290 cc/min</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>30X</td>
</tr>
<tr>
<td>Attenuation</td>
<td>2</td>
</tr>
</tbody>
</table>
Results:

Retention times were measured from the solvent peak, not the time of injection.

<table>
<thead>
<tr>
<th>Compound</th>
<th>Retention time (min)</th>
<th>Phenmetrazine</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. dl-amphetamine</td>
<td>.84</td>
<td>.34</td>
</tr>
<tr>
<td>2. d-desoxyephedrine</td>
<td>.99</td>
<td>.40</td>
</tr>
<tr>
<td>3. phenmetrazine</td>
<td>2.44</td>
<td>1.00</td>
</tr>
<tr>
<td>4. STP</td>
<td>4.01</td>
<td>1.68</td>
</tr>
<tr>
<td>5. mescaline</td>
<td>5.27</td>
<td>2.12</td>
</tr>
<tr>
<td>6. N,N-dimethyltryptamine</td>
<td>7.18</td>
<td>2.95</td>
</tr>
<tr>
<td>7. N,N-diethyltryptamine</td>
<td>11.7</td>
<td>4.85</td>
</tr>
</tbody>
</table>

Discussion:

The retention times given above were obtained from injection of 4 microliters of a mixture of 2 to 5 mg of each drug in 20 ml of methanol. Temperature programming from 130° C to 220° C gave better separation of amphetamine and desoxyephedrine but programming is less reproducible than a constant temperature system.

LSD has been run by gas chromatography at a much higher temperature on another column (2), but the Look test (3) is recommended to screen for drugs containing the indole ring system since it is rapid and requires only simple reagents.

Continued investigation of this method is planned.

(1) Piechocki, Joseph T. LIB 434
(2) Katz, M.A., G. G. Tadjer, W. A. Aufricht, J. Chromatog. 31 (1967) 545-6
(3) Look, J., J. Pharm. Sci. 56 (1967), 1526-7