

# Psychotropic Drug Interactions with Illegal Drugs/Non-Drugs

Antidepressants	Alcohol	Smoking	Caffeine	Grapefruit juice	LSD	Cannabis	Ecstasy	Amphetamine	Heroin	Cocaine	St John's Wort / others	Tyramine in foods	Ascorbic acid
<b>Amitriptyline/TCAs</b>	↑ sedation, ↓ seizure threshold	↓ [TCAs]		Ok ↑ [Clomipramine]?		Delirium, tachycardia ↑ HR Altered mental state	Arrhythmia - avoid	Arrhythmia - avoid	↑ sedation CNS depression	Arrhythmia - avoid	↓ [TCA]		
Mianserin	↑ sedation								avoid	Minor physiological effects			
Trazodone	↑ sedation				↓ LSD response								
<b>MAOIs</b>	↑ sedation, HT crisis hypotension		↑ Caffeine effect (CNS stimulant)				HT crisis, SS	HT crisis, SS	Avoid for 14/7	HT crisis?	Avoid 14/7 Ginseng?	HT crisis	
<b>Moclobemide</b>	↑ Sedation, HT crisis?		↑ Caffeine effect*				HT crisis, SS	HT crisis, SS	Avoid for 14/7	HT crisis?	Avoid 14/7	HT crisis	
<b>Citalopram/escitalopram</b>	ok	?	SS?				↓ Ecstasy effect	SS		SS	SS		
<b>Fluoxetine</b>	ok		SS?	SS?	↑ flashback, seizures	mania	↓ Ecstasy effect?	SS, ↑ Amphetamine effect		↑ [Cocaine], SS	Hypomania, SS		
<b>Sertraline</b>	ok		SS?	↑ [Sertraline]	↑ flashback		↑ [Ecstasy]	SS		SS	SS		
<b>Fluvoxamine</b>	↑ sedation	↓ [Fluvoxamine]	↑ Caffeine	↑ [Fluvoxamine]				SS		SS	Sedation?		
<b>Paroxetine</b>	↑ sedation		SS		↑ flashback		↓ Ecstasy effect? ↑ [Ecstasy]	SS		SS			
<b>Duloxetine</b>	Liver injury?	↓ [Duloxetine]					↑ [Ecstasy]	SS					
<b>Mirtazapine</b>	↑ sedation	↓ [Mirtazapine]?							avoid				
<b>Reboxetine</b>	ok												
<b>Venlafaxine</b>	ok		ok								SS		
<b>Agomelatine</b>	Not advisable	↓ [Agomelatine] insignificant											
<b>Tryptophan</b>													
<b>Antipsychotics</b>	Alcohol	Smoking	Caffeine	Grapefruit juice	LSD	Cannabis	Ecstasy	Amphetamine	Heroin	Cocaine	St John's Wort / others	Tyramine in foods	Ascorbic acid
<b>Amisulpride</b>	CNS depression	ok				↑ sedation*			↑ sedation*				
<b>Aripiprazole</b>	CNS depression	ok				↑ sedation*			↑ sedation*	Dystonia?	↓ [Aripiprazole]?		
<b>Asenapine</b>	CNS depression												
<b>Benperidol</b>	CNS depression	↓ [Benperidol]*											
<b>Chlorpromazine</b>	CNS depression, liver tox, EPSE	↓ [Chlorpromazine]				↓ [Chlorpromazine]	Antagonistic effect	Antagonistic effect	↑ sedation CNS depression		EPO – seizures*		
<b>Clozapine</b>	CNS depression	↓ [Clozapine]	↑ [Clozapine]	ok		↓ [Clozapine]			↑ sedation	↑ [Cocaine] syncope	↓ [Clozapine]		Rash?
<b>Fluphenazine</b>	CNS depression, EPSE	↓ [Fluphenazine]				↓ [Fluphenazine]*	Antagonistic effect	Antagonistic effect	↓ euphoria*		EPO – seizures Betei nut		↓ [Fluphenazine]
<b>Haloperidol</b>	CNS depression, EPSE	↓ [Haloperidol]	ok*	ok				↓ Amphetamine effect, EPSE?	↑ sedation CNS, depression	↓ euphoria, ↑ [Haloperidol]* Cardiac toxicity?*	Ginseng Betei nut		
<b>Prochlorperazine Trifluoperazine and other phenothiazines</b>	CNS depression, EPSE	↓ [Perphenazine], ↓ [Fluphenazine]					Antagonistic effect	Antagonistic effect	↑ sedation CNS depression				
<b>Olanzapine</b>	CNS depression, ↑ HR, postural hypotension	↓ [Olanzapine]				↑ sedation, ↓ [Olanzapine]			↑ sedation				
<b>Quetiapine</b>	↑ sedation Postural hypotension			↑ [Quetiapine]		↑ sedation			↑ sedation				↓ [Quetiapine]
<b>Risperidone</b>	CNS depression	No reports?				↑ sedation			↑ sedation	Dystonia?			↓ [Paliperidone]
<b>Paliperidone</b>	CNS depression					↑ sedation		↓ euphoria*					
<b>Flupentixol Zuclopentixol</b>	CNS depression							↓ euphoria*	↓ euphoria*	↓ craving			
<b>Sulpiride</b>	CNS depression							↓ euphoria*	↓ euphoria*				
<b>Substance misuse</b>	Alcohol	Smoking	Caffeine	Grapefruit juice	LSD	Cannabis	Ecstasy	Amphetamine	Heroin	Cocaine	St John's Wort / others	Tyramine in foods	Ascorbic acid
<b>Methadone</b>	CNS depression	↓ [Methadone]		↑ [Methadone]		↓ [Methadone]?			↑ sedation CNS depression	↓ [Methadone]	↓ [Methadone]		
<b>Bupropion</b>	↑ seizures	ok				↑ sedation				↑ QTc			
<b>Naltrexone</b>	Liver toxicity?					↑ cannabis effects?	↑ [Ecstasy]		Seizures?	Seizures?			
<b>Nalmefene</b>	ok												
<b>Lofexidine</b>	↑ sedation*												
<b>Buprenorphine</b>	CNS depression									↓ [Buprenorphine]			
<b>Chlordiazepoxide</b>	↑ sedation ↑ anxiety								↑ sedation CNS depression				
<b>Disulfiram</b>	↓ BP arrhythmia collapse		↑ [Caffeine]			Hypomania, acute confusion				↑ [Cocaine] paranoia			
<b>Acamprosate</b>	Antagonistic effect												
<b>Anxiolytics/hypnotics</b>	Alcohol	Smoking	Caffeine	Grapefruit juice	LSD	Cannabis	Ecstasy	Amphetamine	Heroin	Cocaine	St John's Wort / others	Tyramine in foods	Ascorbic acid
<b>Benzodiazepines</b>	CNS depression ↓ anxiolytic effect	↓ [Benzodiazepines]	↓ Benzodiazepine effect ↓ sedation, ↑ anxiety	↑ [Benzodiazepines]		↑ sedation			↑ sedation CNS depression	↑ sedation	Ok*		
<b>Zopiclone/zolpidem</b>	↑ sedation	z-drug effect?	↓ effect	↑ [Zopiclone/Zolpidem]*		↑ sedation			↑ sedation CNS depression	↑ sedation	↓ [Zopiclone/Zolpidem]		
<b>Chloral H/sedating antihistamines</b>	CNS depression												
<b>Pregabalin</b>	↑ sedation												
<b>Melatonin</b>	Reduced melatonin effect	↓ [Melatonin]	↑ [Melatonin]										
<b>Buspirone</b>	↑ sedation			↑ [Buspirone]							SS?		
<b>Mood stabilisers</b>	Alcohol	Smoking	Caffeine	Grapefruit juice	LSD	Cannabis	Ecstasy	Amphetamine	Heroin	Cocaine	St John's Wort / others	Tyramine in foods	Ascorbic acid
<b>Lithium</b>	↑ [Li] (dehydration)	↑ [Lithium]*	↓ [Lithium]			↑ sedation, ↑ [Lithium]	↑ [Lithium] (dehydration) ↓ Ecstasy effect?	↓ Amphetamine effect?		↓ cocaine effect*	Mania with SJW. Lithium toxicity with herbal diuretics		
<b>Lamotrigine/Valproate</b>	↓ [lam] ↑ sedation												
<b>Carbamazepine</b>	↑ sedation	↓ [nicotine] ↓ [Carbamazepine]?	?	↑ [Carbamazepine]						↑ cardiac side effects	↓ [Carbamazepine]?		

BP: Blood pressure // BZ: Benzodiazepines // CNS: Central nervous system // EPO: Evening primrose oil // HR: Heart rate // HT: Hypertension // [...]: Blood level of the drug in brackets is affected as arrow indicates. // SS: serotonin syndrome – Please note list is not exhaustive. Always check with your ward pharmacist/medicines information department for advice. \* Information from previous version – no reports in reference sources

No reports found regarding this combination
  Combination studied no issues reported
  Combination studied caution advised
  Combination studied serious risk reported.

### "Legal Highs"

So called "legal highs" are being developed all the time and too many are available to be included on this poster. Some guidance can be obtained by comparing how they act to one of the illegal substances listed. However, if more accurate information is needed, a formal Medicines Information query should be raised.

- Psychotropic Drug Directory, Bazire 2014
- The Maudsley Prescribing Guidelines in Psychiatry, 2011
- Stockley's Drug Interactions, online edition available from www.medicinescomplete.com