
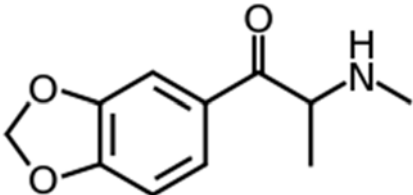


	Substance briefing: Methylone
	<p>This technical folder provides information on Methylone. The information provided is based on a number of existing data sources and work undertaken as part of the I-TREND project. Research informing the folder includes an analysis of user discussions on popular (insert country name) drug forums, an analysis of marketing on popular (insert country name: e.g. English speaking) web shops selling the substance, and scientific laboratory analysis of the compound through test purchasing of the substance from (insert country name) web shops.</p>
1	Substance name(s)
1.1	<p>Chemical name: 3,4-methylenedioxy-N-methylcathinone</p>
1.2	<p>Popular/street/slangname(s): Methylone ; bk-MDMA, Users on Czech forums do not have a slang/street/popular name for this substance</p>
1.3	<p>Other name(s): (±)-2-Methylamino-1-(3,4-methylenedioxyphenyl)propan-1-one, MDMC, M1</p>
1.4	<p>Branded products in which the substance was found following analysis:</p>
1.5	<p>Branded products advertised as containing the substance on web shops: Czech web shop analysis found no web shop advertised branded products as containing <i>Methylone</i> substance.</p>
1.6	<p>Branded products discussed as containing the substance on drug forums: No branded products were discussed as containing Methylone</p>
2.	Classification and effect

2.1	<p>Classification and effect confirmed through substance analysis</p> <ul style="list-style-type: none"> • Cathinones 						
2.2	<p>Classification and effect referred to by users of drug forums</p> <ul style="list-style-type: none"> • No discussions on Czech forums about this substance 						
2.3	<p>Classification and effect used in the marketing of the product on web shops</p> <p>The <i>Methylone</i> was classified as a research chemical according to an analysis of Czech web shops. The web shops' analysis found two web shops selling <i>Methylone</i> under a 'stimulant' category. In addition one of these web shops classified <i>Methylone</i> more specifically as a substance of cathinone class.</p> <p>Direct Information about effects was provided by no web shop. Two web shops used indirect information about effects and described <i>Methylone</i> as a substance 'structurally similar to MDMA'</p> <p>NB: See reference list for sources related to classification (e.g. pharmacological studies, case studies, etc...)</p>						
3	Potential risks associated with use of the substance						
3.1	<p>General risks associated with the substance:</p> <p>'methylone has almost the same potency of MDMA, but it does not produce the same effects, almost an antidepressant action, pleasant and positive, but not the unique magic of MDMA' /Shulgin/; risks described only acute - sympathomimetic effects, fever, sweating, dizziness, paranoia etc. other names: MDMCAT (preferred), MDMC</p>						
3.2	<p>Users point of view on the substance and risk perception:</p> <p>Methylone was rarely discussed on Czech forums, therefore risk perception of users could not be assumed from this source.</p>						
4	Legal status and identification of the substance						
4.1	Legal status/acts/laws in Czech republic. Methylone is controlled substance in Czech republic						
4.2	<p>List of first identification and reporting to the EMCDDA by a national Reitox Focal Points</p> <table border="1"> <thead> <tr> <th>Country</th> <th>Dates</th> </tr> </thead> <tbody> <tr> <td>Czech Republic in 2010</td> <td>18 kg seizure</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Country	Dates	Czech Republic in 2010	18 kg seizure		
Country	Dates						
Czech Republic in 2010	18 kg seizure						

5	Photographs of the substance		
5.1	Photograph of the substance purchased for laboratory analysis: 		
5.2	Photo/Printscreen of the product from the webshop:		
6	Chemistry		
6.1	Chemical Abstracts Service (CAS) registry number: 186028-79-5		
6.2	Chemical information: Methylone is the cathinone derivate of 3,4-methylenedioxyamphetamine (MDMA). Methylone and related compounds can be described as ring-substituted cathinones, where cathinone, the parent compound and a scheduled drug in the 1971 UN Convention on Psychotropic Substances, is closely related to the phenethylamine family and an active constituent of khat. Methylone was reported by the Swedish and the Dutch NFPs in the beginning of 2005.		
6.2	Structure (picture of structural formula) 		
6.3	Molecular mass 207.23g/mol		
6.4	Structural comparison with a related substance cathinone derivate of 3,4-methylenedioxyamphetamine (MDMA); closely		

	related to the phenethylamine family and an active constituent of khat																														
6.5	(Insert pictures of developed formula of this original substance)																														
7	Analytical composition: results of substance analysis carried out from the sample purchased online.																														
7.1	<p>Details of laboratory analysis technique used: Mean (%) = (sd.= .) (N sample analysed)</p> <table border="1"> <thead> <tr> <th>Webshop</th> <th>Country (IP address)</th> <th>Country (package origin)</th> <th>Form</th> <th>Substance named on package/web shop</th> <th>Confirmed substances</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td>Benzofury</td> <td>6 APB</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td>Mephedrone</td> <td>Mephedrone</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Webshop	Country (IP address)	Country (package origin)	Form	Substance named on package/web shop	Confirmed substances	1				Benzofury	6 APB	1				Mephedrone	Mephedrone	2						2					
Webshop	Country (IP address)	Country (package origin)	Form	Substance named on package/web shop	Confirmed substances																										
1				Benzofury	6 APB																										
1				Mephedrone	Mephedrone																										
2																															
2																															
7.2	Details of laboratory analysis technique used:																														
7.3	<p>Substance marketing details</p> <table border="1"> <tbody> <tr> <td>Crystal</td> <td>Euros</td> </tr> <tr> <td>minimum price per gram</td> <td>€20</td> </tr> <tr> <td>maximum price per gram</td> <td>€20</td> </tr> <tr> <td>mode price per gram</td> <td>€20</td> </tr> <tr> <td>mean price per gram</td> <td>€20</td> </tr> </tbody> </table>	Crystal	Euros	minimum price per gram	€20	maximum price per gram	€20	mode price per gram	€20	mean price per gram	€20																				
Crystal	Euros																														
minimum price per gram	€20																														
maximum price per gram	€20																														
mode price per gram	€20																														
mean price per gram	€20																														
8	Price and marketing strategies on Czech web shops selling the substance																														
8.1																															
8.2	<p>Description of availability and marketing strategies on Czech web shops selling the substance: The <i>Methylone</i> was available to purchase (28.5.2015) in 3 web shops of 4 web shops where substance was found¹ .</p>																														

¹ The total number of web shops selling new synthetic drugs for CZ (16.3.2015) was 33. (For detail information about methodology of monitoring and selecting the web shops see methodology on <http://www.i-trend.eu/>).

	<p>Czech web shop marketing analysis indicated no web shop which offered discount for orders.</p> <p>Free gift was not promoted by any web shop.</p> <p>Free shipping was offering on no web shop. The guarantee of “free reship” for orders was provided by two web shops. The same day dispatch was supported by one web shop.</p> <p>Information about ‘new’ products was mentioned on three web shops.</p> <p>Loyalty program or Reward Point program for customers was available on one web shop.</p> <p>Customer reviews was supported on three web shops.</p>								
8.3	<p>Type of Czech websites selling the product</p> <table border="1"> <thead> <tr> <th></th> <th>No of shops (28.5.2015)</th> </tr> </thead> <tbody> <tr> <td>RC shops</td> <td>3</td> </tr> <tr> <td>Commercial shops</td> <td>0</td> </tr> <tr> <td>Other</td> <td>0</td> </tr> </tbody> </table>		No of shops (28.5.2015)	RC shops	3	Commercial shops	0	Other	0
	No of shops (28.5.2015)								
RC shops	3								
Commercial shops	0								
Other	0								
8.4	<p>Number of webshops available for Czech republic with supposed country of origin in the EU selling the products</p> <table border="1"> <thead> <tr> <th></th> <th>No of web shops</th> </tr> </thead> <tbody> <tr> <td>CZ address or phone number on web sites</td> <td>0</td> </tr> <tr> <td>Web shops with CZ IP code</td> <td>0</td> </tr> </tbody> </table>		No of web shops	CZ address or phone number on web sites	0	Web shops with CZ IP code	0		
	No of web shops								
CZ address or phone number on web sites	0								
Web shops with CZ IP code	0								

For the marketing analysis we chose 15% of the most popular web shops from CZ list of shops. The shops without prices for products and shops which provide just bulk/wholesale order were removed from our selection. In addition another 6 web shops, previously chosen for the purchase of substances, were added to the marketing analysis. The final number of web shops used for analysis was 11. For latter analysis, we use only shops where product was available.

	Web shops with supposed country of origin in the EU ²	3
9	Law enforcement and health data	
9.1	Number of law enforcement seizures in Czech Republic in 2013/2014: No report on seizure were in 2013/2014 in Czech Republic.	
9.2	EMCDDA health alerts in Czech Republic: On January 2012 was EMCDDA health alerts in Czech Republic	
9.2	Confirmed deaths and acute cases reported in Czech Republic: No acute cases or deaths confirmed from Czech Republic.	
10	<u>User experiences of the substance: results from an analysis of discussions (insert country names) Drug Forums</u>	
	Methodological comment: The information below is based on an analysis of 0 drug forums, 0 forum posts and 0 forum users.	
10.1	Dosage specified by drug forum users (n = number of quotations)	
	<ul style="list-style-type: none"> • <i>Initial Dosing: There was no discussion on initial dose (n= 0)</i> • <i>Boosting: There was no discussion on boosting dose (n= 0)</i> • <i>Threshold: There was no discussion on threshold dose (n= 0)</i> • <i>Light: There was no discussion on light dose (n= 0)</i> • <i>Common: There was no discussion on common dose (n= 0)</i> • <i>Strong: There was no discussion on strong dose (n= 0)</i> 	
10.2	Duration	
	<ul style="list-style-type: none"> • <i>Onset: There was no discussion on onset time (n =0)</i> • <i>Coming up: There was no discussion on coming up(n =0)</i> • <i>Plateau: There was no discussion on plateau (n =0)</i> • <i>Coming down: There was no discussion on coming down (n =0)</i> • <i>After effects: There was no discussion on plateau (n =0)</i> • <i>Hangover/Day after : There was no discussion on hangover (n =0)</i> 	

² Including web shops with CZ address or phone number on web sites

10.3	Effects reported by forum users (n = 0) <i>Not discussed in Czech forums</i>
10.4	Tolerance <i>Tolerance was not discussed in Czech drug forums.</i>
10.5	Route of administration (n =0) <ul style="list-style-type: none"> • <i>Ingestion: This ROA of Methylone was not mentioned in Czech drug forums (n =0)</i> • <i>Snorting: This ROA of Methylone was not mentioned in Czech drug forums (n =0)</i> • <i>Rectal: This ROA of Methylone was not mentioned in Czech drug forums (n =0)</i> • <i>Inhalation or insufflation: This ROA of Methylone was not mentioned in Czech drug forums (n =0)</i>
10.6	Others substances referred to in discussion about (insert drug name) <ol style="list-style-type: none"> 1. <i>Referred to in comparing the effects : Not mentioned on Czech drug forums (n =0)</i> 2. <i>Referred to as increasing the effects: Not mentioned on Czech drug forums (n =0)</i> 3. <i>Referred to in managing come down: Not mentioned on Czech drug forums (n =0)</i> 4. <i>Other substance discussed in the same episode/combo: Not mentioned on Czech drug forums (n =0)</i> 5. <i>Referred to as an agonist/ antagonist : Not mentioned on Czech drug forums (n =0)</i>
10.7	Appearance and preparation (n =0) <i>Not mentioned on Czech drug forums (n =0)</i>
10.8	Patterns of use/Frequency of use <ul style="list-style-type: none"> ○ <i>Not mentioned on Czech drug forums (n =0)</i>

10.9	Context of consumption <ul style="list-style-type: none"> ○ <i>Not mentioned on Czech drug forums (n =0)</i>
10.10	User's views and experiences on the online market <ul style="list-style-type: none"> ○ <i>Not mentioned on Czech drug forums (n =0)</i>
10.11	Harm reduction Message <ul style="list-style-type: none"> ○ <i>Not mentioned on Czech drug forums (n =0)</i>
10.12	User profile <p><i>This substance was not mentioned on Czech Forums.</i></p>
11	Useful resources and literature <ul style="list-style-type: none"> ▪ http://en.wikipedia.org/wiki/Methylone