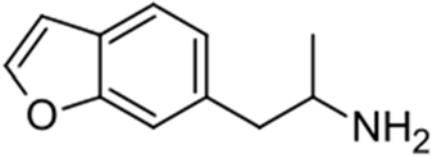


Substance briefing: 6-APB	
	This technical folder provides information on 6-APB . The information provided is based on a number of existing data sources and work undertaken as part of the I-TREND project. Research informing the folder includes an analysis of user discussions on popular (insert country 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.
1	Substance name(s)
1.1	Chemical name: 6-(2-aminopropyl)benzofuran, 1-benzofuran-6-ylpropan-2-amine
1.2	Popular/street/slangname(s): Benzofury
1.3	Other name(s):6-(2-aminopropyl)benzofuran
1.4	Branded products in which the substance was found following analysis:
1.5	Branded products advertised as containing the substance on web shops: Czech web shop analysis ¹ did not find any web shop advertised branded products as containing 6-APB substance.
1.6	Branded products discussed as containing the substance on drug forums: No branded products were discussed as containing 6-APB.
2.	Classification and effect

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/>).

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.

2.1	Classification and effect confirmed through substance analysis <ul style="list-style-type: none"> • Arylalkylamines
2.2	Classification and effect referred to by users of drug forums <ul style="list-style-type: none"> • Not referred by users on Czech forums
2.3	Classification and effect used in the marketing of the product on web shops <ul style="list-style-type: none"> • Phenethylamine • Cathinones • Piperazine • Tryptamines • Cannabinoids • Opioids • Aminocyclohexanes • Aminoindanes • Arylalkylamines • Benzodiazepines • Piperidines and pyrrolidines • Other <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	General risks associated with the substance: described several fatal intoxications following ingestion of benzofuran derivate (possibly 6-APB) in the uK
3.2	Users point of view on the substance and risk perception 6-APB was rarely discussed on Czech forums, therefore risk perception of users could not be assumed from this source.
4	Legal status and identification of the substance
4.1	Legal status/acts/laws in Czech republic: 6-APB is not controlled
4.2	List of first identification and reporting to the EMCDDA by a national Reitox Focal Points

	Country	Dates
	Not reported	
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: 286834-85-3	
6.2	<p>Chemical information:</p> <p>6-APB is an aminoalkylbenzofuran which acts as a serotonin (5-HT_{2c}) agonist. Like other APB compounds, it is a unsaturated benzofuran derivative of APDB compounds, and a deoxygenated derivative of MDA (a scheduled drug in the 1971 UN Convention on Psychotropic Substances). APB compounds share structural features with phenethylamines, but the conjugation of the unsaturated bond in the furan ring with the phenyl ring grants distinctive properties. There are four possible positional isomers of APB where the side-chain is attached to the phenyl side of the benzofuranyl ring system (i.e. 4-, 5-, 6- and 7-APB), and each of them can exist in two enantiomeric forms (i.e. R and S) because of the chiral alpha-carbon atom.</p>	
6.2	<p>Structure (picture of structural formula)</p>  <p>The image shows the chemical structure of 6-APB. It consists of a benzofuran core. The benzene ring of the benzofuran has a propylamine side chain (-CH₂-CH₂-CH(NH₂)) attached at the 6-position. The furan ring is fused to the benzene ring at the 1 and 2 positions.</p>	
6.3	Molecular mass 175.23 g/mol	
6.4	Structural comparison with a related substance aminoalkylbenzofuran (serotonin agonist); an unsaturated benzofuran derivative of APDB compounds, and a deoxygenated derivative of MDA (a scheduled drug in the 1971 UN Convention on Psychotropic Substances).	
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:</p> <p>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/webshop</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/webshop	Confirmed substances	1				benzofury	6 APB	1				Mephedrone	Mephedrone	2						2					
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8	Price and marketing strategies on (insert country name) web shops selling the substance																														
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8.2	<p>Description of availability and marketing strategies on Czech web shops selling the substance:</p> <p>The 6-APB was not find or available to purchase (28.5.2015) in any web shop.</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>0</td> </tr> <tr> <td>Commercial shops</td> <td>0</td> </tr> </tbody> </table>		No of shops (28.5.2015)	RC shops	0	Commercial shops	0																								
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	Other	0
8.4	Number of webshops available for Czech Republic with supposed country of origin in the EU selling the products	
		No of web shops
	CZ address or phone number on web sites	0
	Web shops with CZ IP code	0
	Web shops <i>with supposed country of origin in the EU</i> ²	0
9	Law enforcement and health data	
9.1	Number of law enforcement seizures in Czech republic in 2013/2014 was none for both years.	
9.2	EMCDDA health alerts in Czech republic n. a.	
9.2	Confirmed deaths and acute cases reported in 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 2 drug forums, 5 forum posts and 3 forum users.	
10.1	Dosage specified by drug forum users (n = number of quotations)	
	<ul style="list-style-type: none"> • <i>Initial Dosing: One pellet (tablet) of 6-APB used initially by one user (n=1)</i> • <i>Boosting: Second pellet used by the same user after 45 minutes (n= 0)</i> • <i>Threshold: There was no discussion on threshold dose (n= 0)</i> • <i>Light: One pellet should deliver milder or “normal” effects (n=1)</i> • <i>Common: As common doses one or two pellets in one occasion were used by users(n= 2)</i> • <i>Strong: Two pellets can deliver intense “high” with MDMA/LSD feeling, long-lasting effects, empathy and slight hallucinations (n=2)</i> 	

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

<p>10.2</p>	<p>Duration</p> <ul style="list-style-type: none"> • <i>Onset: One user describes onset as quick (instant feeling of lightness and after 30 minutes fully developed effects with hallucinations), another user describes first effects after 2 hours from oral use(n=2)</i> • <i>Coming up: The substance is described as long-term acting, one user describes empathic effects still after 9 hours(n =1)</i> • <i>Plateau: There was no discussion on plateau (n =0)</i> • <i>Coming down: After 13 hours the user tried to sleep, but unsuccessfully. Coming down can be estimated at this time. Mydriasis could be still observed after 18 hours of use (n =1)</i> • <i>After effects: Inability to fall asleep, even with sleeping pills. (n =2)</i> • <i>Hangover/Day after : No hangover was discussed in Czech forums (n =0)</i>
<p>10.3</p>	<p>Effects reported by forum users (n = 4)</p> <p><i>Physical effects</i></p> <ul style="list-style-type: none"> ○ <i>Mydriasis</i> ○ <i>“Light body” feeling almost like flying</i> ○ <i>Pleasant waves going through body</i> ○ <i>Sweating</i> ○ <i>“Melt-like” feeling</i> ○ <i>Feeling of bottomless energy</i> <p><i>Psychological effects</i></p> <ul style="list-style-type: none"> ○ <i>Strong euphoria</i> ○ <i>Empathy</i> ○ <i>Talkativeness</i> ○ <i>Insomnia</i> ○ <i>Appreciation of music</i> ○ <i>“Trip” like feeling</i> ○ <i>Hallucinations at strong doses</i> <p><i>Sought/expected</i></p> <ul style="list-style-type: none"> ○ <i>Euphoria</i> <p><i>Desired</i></p> <ul style="list-style-type: none"> ○ <i>Euphoria</i> ○ <i>Empathy</i> <p><i>Undesired</i></p> <ul style="list-style-type: none"> ○ <i>Hallucinations may be surprising for some users</i>
<p>10.4</p>	<p>Tolerance</p> <p><i>Tolerance was not discussed in Czech drug forums.</i></p>
	<p>Route of administration (n =2)</p> <ul style="list-style-type: none"> • <i>Ingestion: Two users describe ingestion of substance (n =2)</i>

	<ul style="list-style-type: none"> • <i>Snorting: This ROA of 6-APB was not mentioned in Czech drug forums (n =0)</i> • <i>Rectal: This ROA of 6-APB was not mentioned in Czech drug forums (n =0)</i> • <i>Inhalation or insufflation: This ROA of 6-APB was not mentioned in Czech drug forums (n =0)</i>
10.6	<p>Others substances referred to in discussion about (insert drug name)</p> <ul style="list-style-type: none"> • <i>Referred to in comparing the effects : 6-APB effects compared to MDMA as similar, effects of 6-APB last much longer(1,5-2 times longer)(n=2) 6-APB also compared to a weak LSD trip (n=1),once also compared as something between MDMA and LSD (n=1)</i> • <i>Referred to as increasing the effects: Not mentioned on Czech drug forums (n =0)</i> • <i>Referred to in managing come down: Hypnogen was used to manage insomnia, but not successfully (n=1)</i> • <i>Other substance discussed in the same episode/combo: Trip reports mentioned that 6-APB pellets could possibly also contain 5-APB, therefore effects could be altered by presence of another substance. One user claims, that 5-APB is more trippy with more hallucinations, while 6-APB is more empathic and talkative substance (n=2)</i> • <i>Referred to as an agonist/ antagonist : Not mentioned on Czech drug forums (n =0)</i>
10.7	<p>Appearance and preparation (n =2) 6-APB was described in the form of tablets (pellets) (n =2)</p>
10.8	<p>Patterns of use/Frequency of use</p> <ul style="list-style-type: none"> • <i>Reports did not give evidence about frequency of use (n=0)</i>

10.9	<p>Context of consumption</p> <ul style="list-style-type: none"> • <i>used alone at home(n=1)</i> • <i>Used in a bar and then user went to the party (n=1)</i>
10.10	<p>User's views and experiences on the online market</p> <p><i>Forum members described effects of 6-APB, substance is mostly sold in form of pellets, later in 2014 the substance was probably not offered anymore by Czech online shops, because users are looking for alternative sources and are discussing whether it would be worth ordering 6-APB from foreign online shop and sell it to people locally (n=2)</i></p>
10.11	<p>Harm reduction Message</p> <p>Not mentioned on Czech drug forums (n =0)</p>
10.12	<p>User profile</p> <p><i>Forum users discussing 6-APB effects, users were not fans of stimulants and they had experiences with MDMA and LSD. They were appreciating empathic and euphoric effects of the substance.</i></p>
11	<p>Useful resources and literature</p> <ul style="list-style-type: none"> ▪ http://en.wikipedia.org/wiki/6-APB