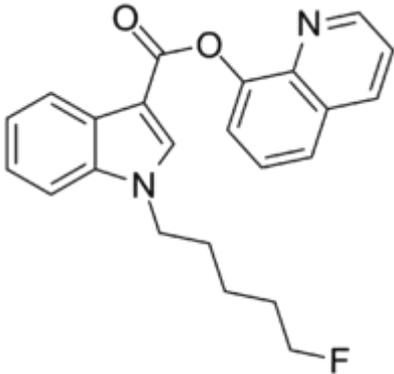


	<b>Substance briefing: 5F-PB22</b>
	This technical folder provides information on <b>5F-PB22</b> . The information provided is based on a number of existing data sources and work undertaken as part of the I-TREND project. Research informing the folder includes an analysis of user discussions on popular (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.
<b>1</b>	<b>Substance name(s)</b>
1.1	Chemical name: Quinolin-8-yl 1-pentyfluoro-1H-indole-3-8-carboxylate
1.2	Popular/street/slangname(s): Users on forums did not have a slang/street name for this product.
1.3	Other name(s): 1-pentyfluoro-1H-indole-3-carboxylic acid 8-quinolinyl ester
1.4	Branded products in which the substance was found following analysis:
<b>1.5</b>	<b>Branded products advertised as containing the substance on web shops:</b> Czech web shop analysis found one web shop advertised branded products as containing 5F-PB22 substance. The branded product were sold under names such as 'Essence Incense.'
1.6	Branded products discussed as containing the substance on drug forums: No branded products were discussed as containing 5F-PB22.
<b>2.</b>	<b>Classification and effect</b>

2.1	<p><b>Classification and effect confirmed through substance analysis</b></p> <ul style="list-style-type: none"> <li>• Cannabinoids</li> </ul>
2.2	<p><b>Classification and effect referred to by users of drug forums</b></p> <ul style="list-style-type: none"> <li>• Cannabinoids</li> </ul>
2.3	<p><b>Classification and effect used in the marketing of the product on web shops</b></p> <p>The <i>5F-PB22</i> was classified as a Cannabinoid according to an analysis of Czech web shops. The web shops' analysis found four web shops selling <i>5F-PB22</i> under a 'Cannabinoid' category. Czech analysis did not find any additional or further specification of classification for <i>5F-PB22</i> described by web shop.</p> <p>Direct Information about effects was provided by no web shop. Two web shops used indirect information about effects. First shop described <i>5F-PB22</i> as a substance 'similar properties to tetrahydrocannabinol (THC), which is the key active ingredient in Cannabis.' Second web shop described <i>5F-PB22</i> as a substance 'comparable to AKB-48 or 5F-AKB-48.'</p> <p>NB: See reference list for sources related to classification (e.g. pharmacological studies, case studies, etc...)</p>
<b>3</b>	<b>Potential risks associated with use of the substance</b>
3.1	<p>General risks associated with the substance:  several deaths associated with this substance (USA)(?); psychedelic, cannabis-like effects and risks, possibly increased (?)</p>
3.2	<p>Users point of view on the substance and risk perception</p> <p><i>5F-PB22</i> was discussed on Czech forums, risk perception was not discussed.</p>
<b>4</b>	<b>Legal status and identification of the substance</b>
4.1	<p>Legal status/acts/laws in Czech republic:  <i>5F-PB-22</i> is not controlled substance</p>
4.2	<p>List of first identification and reporting to the EMCDDA by a national Reitox Focal Points</p>

	Country	Dates	
	Czech republic in 2015	2 030 g	
<b>5</b>	<b>Photographs of the substance</b>		
5.1	Photograph of the substance purchased for laboratory analysis:		
5.2	Photo/Printscreen of the product from the webshop:		
<b>6</b>	<b>Chemistry</b>		
6.1	Chemical Abstracts Service (CAS) registry number: 1400742-41-7		
6.2	Chemical information: It is related to the well-known synthetic cannabinoid receptor agonist AM-2201 (which is itself the 5-fluorinated version of JWH-018).		
6.2	Structure (picture of structural formula)		
			
6.3	Molecular mass 376,42 g/mol		
6.4	Structural comparison with a related substance 1.1.1. "PB-22 (1-pentyl-8-quinolinyl ester-1H-indole-3-carboxylic acid) a relatively new synthetic cannabinoid; 5F-PB-22 is a derivative of PB-22 acid) is a relatively new synthetic cannabinoid"		
6.5	(Insert pictures of developed formula of this original substance)		
<b>7</b>	<b>Analytical composition: results of substance analysis carried out from the sample purchased online.</b>		
7.1	Details of laboratory analysis technique used:  Mean (%) = (sd.= .) (N sample analysed)		

Webshop	Country (IP address)	Country (package origin)	Form	Substance named on package/webshop	Confirmed substances
1				benzofury	6 APB
1				Mephedrone	Mephedrone
2					
2					

7.2	Details of laboratory analysis technique used:										
7.3	<p><b>Substance marketing details</b></p> <table border="1"> <thead> <tr> <th>Powder</th> <th>Euros</th> </tr> </thead> <tbody> <tr> <td>minimum price per gram</td> <td>€13.8</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>€16.9</td> </tr> </tbody> </table> <p>The price marketing for 5F-PB22 substance was provided by one web shop. The discount on offer was applicable only for some sizes of 5F-PB22.</p>	Powder	Euros	minimum price per gram	€13.8	maximum price per gram	€20	mode price per gram	€20	mean price per gram	€16.9
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<b>8</b>	<b>Price and marketing strategies on (insert country name) web shops selling the substance</b>										
8.1											
8.2	<p><b>Description of availability and marketing strategies on Czech web shops selling the substance:</b></p> <p>The 5F-PB22 was available to purchase (28.5.2015) in 4 web shops of 4 web shops where substance was found<sup>1</sup>.</p>										

<sup>1</sup> 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.

	<p>Czech web shop marketing analysis indicated two shops which offered discount for orders. First shop offered two discounts. First discount was for new customers only. The average level of first discount was 25%. Second discount was for all customers and all orders. The average level of first discount was 20%. Second web shop offered new customers only. The average level of first discount was £5.</p> <p>Free gift was not promoted by any web shop.</p> <p>Free shipping was offering on two web shops. One shop offered free shipping for orders over £100. The guarantee of “free reship” for orders was provided by four web shops. The same day dispatch was supported by two web shops.</p> <p>Information about ‘new’ products was mentioned on four 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 four 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>4</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	4	Commercial shops	0	Other	0
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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> <tr> <td>Web shops <i>with supposed country of origin in the EU<sup>2</sup></i></td> <td>4</td> </tr> </tbody> </table>		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<sup>2</sup></i>	4
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<b>9</b>	<b>Law enforcement and health data</b>								
9.1	Number of law enforcement seizures in Czech republic in 2013 was none and in 2014 was reported amount of 1/2030 g.								

<sup>2</sup> Including web shops with CZ address or phone number on web sites

9.2	EMCDDA health alerts in Czech republic were on February 2014.
9.2	Confirmed deaths and acute cases reported in Czech republic were none for each of both varianties.
<b>10</b>	<p><b><u>User experiences of the substance: results from an analysis of discussions Czech republic Drug Forums</u></b></p> <p>Methodological comment: The information below is based on an analysis of 1 drug forum, 2 forum posts and 1 forum user</p>
<b>10.1</b>	<p><b>Dosage specified by drug forum users (n = number of quotations)</b></p> <ul style="list-style-type: none"> <li>• <i>Initial Dosing: As initial dose of a user not familiar with a product 5 mgs were used.(n=1)</i></li> <li>• <i>Boosting: There was no discussion on boosting dose (n= 1).</i></li> <li>• <i>Threshold: There was no discussion on threshold dose (n= 0)</i></li> <li>• <i>Light: 5 mgs of substance provided light effects comparing to other synth. cannabinoids (n= 1)</i></li> <li>• <i>Common: 5-8mg dose was used commonly by the user (n= 1)</i></li> <li>• <i>Strong: There was no discussion on strong dose (n= 0)</i></li> </ul>
<b>10.2</b>	<p><b>Duration</b></p> <ul style="list-style-type: none"> <li>• <i>Onset: It took around 7 minutes before effects could be more observable (n =1)</i></li> <li>• <i>Coming up: Effects lasted for about one hour before it started coming down(n =1)</i></li> <li>• <i>Plateau: There was no discussion on plateau duration. (n =0)</i></li> <li>• <i>Coming down: There was no discussion on coming down (n =0)</i></li> <li>• <i>After effects: There was no discussion on coming down (n =0)</i></li> <li>• <i>Hangover/Day after : There was no discussion on hangover/Day after (n =0)</i></li> </ul>
<b>10.3</b>	<p><b>Effects reported by forum users (n = 1)</b></p> <p><i>Physical effects</i></p> <ul style="list-style-type: none"> <li>○ <i>Relaxation</i></li> <li>○ <i>Defocused vision</i></li> </ul> <p><i>Psychological effects</i></p> <ul style="list-style-type: none"> <li>○ <i>Relief</i></li> </ul>

	<ul style="list-style-type: none"> <li>○ Relaxation</li> <li>○ Cannabis-like high</li> </ul> <p><i>Sought/expected</i></p> <ul style="list-style-type: none"> <li>○ Relaxation</li> </ul> <p><i>Desired</i></p> <ul style="list-style-type: none"> <li>○ Relaxation, relief</li> </ul> <p><i>Undesired</i></p> <ul style="list-style-type: none"> <li>○ Not discussed, not felt</li> </ul>
<b>10.4</b>	<p><b>Tolerance</b></p> <p><i>Tolerance was not discussed in Czech drug forums.</i></p>
<b>10.5</b>	<p><b>Route of administration (n =2)</b></p> <ul style="list-style-type: none"> <li>● <i>Ingestion: This ROA of 5F-PB22 was not mentioned in Czech drug forums (n =0)</i></li> <li>● <i>Snorting: This ROA of 5F-PB22 was not mentioned in Czech drug forums (n =0)</i></li> <li>● <i>Rectal: This ROA of 5F-PB22 was not mentioned in Czech drug forums (n =0)</i></li> <li>● <i>Inhalation or insufflation: Smoking of the substance, more details were not discussed (n =1)</i></li> </ul>
<b>10.6</b>	<p><b>Others substances referred to in discussion about (insert drug name)</b></p> <ul style="list-style-type: none"> <li>● <i>Referred to in comparing the effects : 5F-PB22 effects compared to AB-CHIMNACA as a little bit less relaxing (n=1)</i></li> <li>● <i>Effects of 5F-PB22 compared as similar to indica cannabis (n=1)</i></li> <li>● <i>Effects compared as softer than traditional speedy drugs, 5F-PB22 is lacking jaw clenching, lip biting and after effects (n=1)</i></li> <li>● <i>Referred to as increasing the effects: Not mentioned on Czech drug forums (n =0)</i></li> <li>● <i>Referred to in managing come down: Not mentioned on Czech drug forums (n =0)</i></li> <li>● <i>Other substance discussed in the same episode/combo: 5F-PB-22 used in the same episode as Ethylphenidate and AB-FUBINACA. Use of 5F-PB-22 intensified effects of Ethylphenidate to a full potential, due to influence of Ethylphenidate high from 5F-PB-22 was more intensive, but shorter. AB-Fubinaca was used in the same episode. (n=1)</i></li> <li>● <i>Referred to as an agonist/ antagonist : Not mentioned on Czech drug forums (n =0)</i></li> </ul>
<b>10.7</b>	<p><b>Appearance and preparation (n =0)</b></p>

	Not discussed on the Czech drug forums.
<b>10.8</b>	<b>Patterns of use/Frequency of use</b> <ul style="list-style-type: none"> <li>• <i>Reports did not give evidence about frequency of use, binge-use was not observed.</i></li> </ul>
<b>10.9</b>	<b>Context of consumption</b> <ul style="list-style-type: none"> <li>• <i>used alone at home(n=1)</i></li> </ul>
<b>10.10</b>	<b>User's views and experiences on the online market</b> <i>Not discussed on Czech drug forums.</i>
<b>10.11</b>	<b>Harm reduction Message</b> <i>Not discussed on Czech drug forums.</i>
<b>10.12</b>	<b>User profile</b> <i>Report about use of 5F-PB-22 was provided by only one user. The user used this substance for relaxing purposes and later for combination with Ethylphenidate. This user intended to use substances for their potential healing potential (relaxation, opening of mind, previous depressions).</i>
<b>11</b>	<b>Useful resources and literature</b> <ul style="list-style-type: none"> <li>▪ <a href="http://en.wikipedia.org/wiki/5F-PB-22">http://en.wikipedia.org/wiki/5F-PB-22</a></li> </ul>