



## LJMU Research Online

Elliott, SP, Brandt, SD and Smith, C

**The first reported fatality associated with the synthetic opioid 3,4-dichloro-N-[2-(dimethylamino)cyclohexyl]-N-methylbenzamide (U-47700) and implications for forensic analysis**

<http://researchonline.ljmu.ac.uk/id/eprint/3774/>

### Article

**Citation** (please note it is advisable to refer to the publisher's version if you intend to cite from this work)

**Elliott, SP, Brandt, SD and Smith, C (2016) The first reported fatality associated with the synthetic opioid 3,4-dichloro-N-[2-(dimethylamino)cyclohexyl]-N-methylbenzamide (U-47700) and implications for forensic analysis. Drug Testing and Analysis. ISSN 1942-7611**

LJMU has developed [LJMU Research Online](#) for users to access the research output of the University more effectively. Copyright © and Moral Rights for the papers on this site are retained by the individual authors and/or other copyright owners. Users may download and/or print one copy of any article(s) in LJMU Research Online to facilitate their private study or for non-commercial research. You may not engage in further distribution of the material or use it for any profit-making activities or any commercial gain.

The version presented here may differ from the published version or from the version of the record. Please see the repository URL above for details on accessing the published version and note that access may require a subscription.

For more information please contact [researchonline@ljmu.ac.uk](mailto:researchonline@ljmu.ac.uk)

<http://researchonline.ljmu.ac.uk/>

**The first reported fatality associated with the synthetic opioid 3,4-dichloro-*N*-[2-(dimethylamino)cyclohexyl]-*N*-methylbenzamide (U-47700) and implications for forensic analysis**

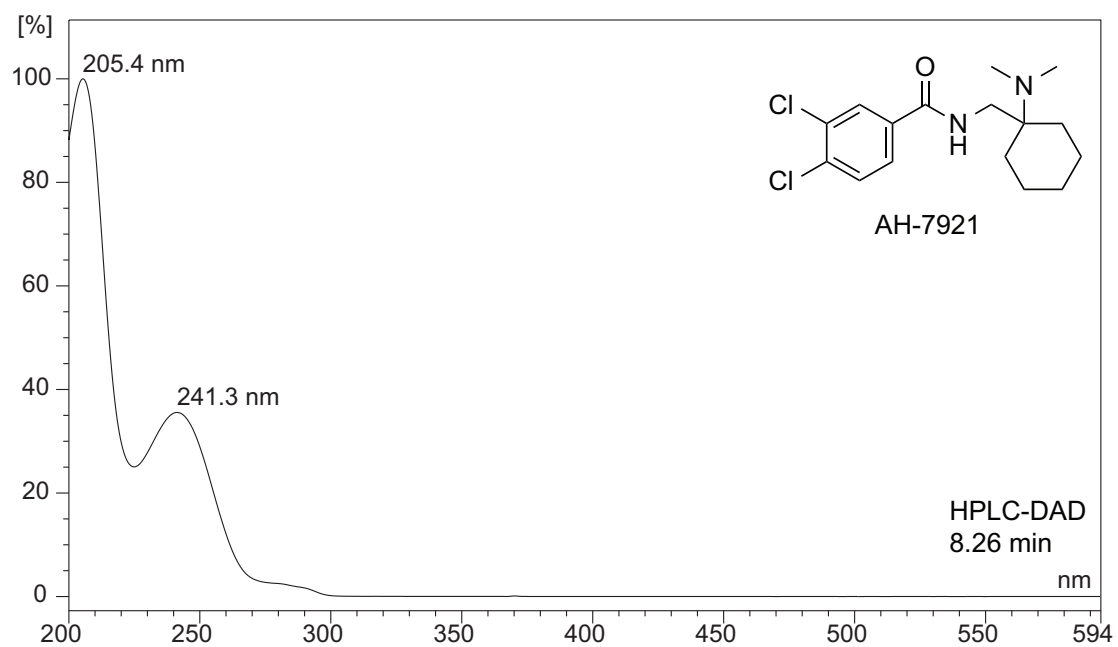
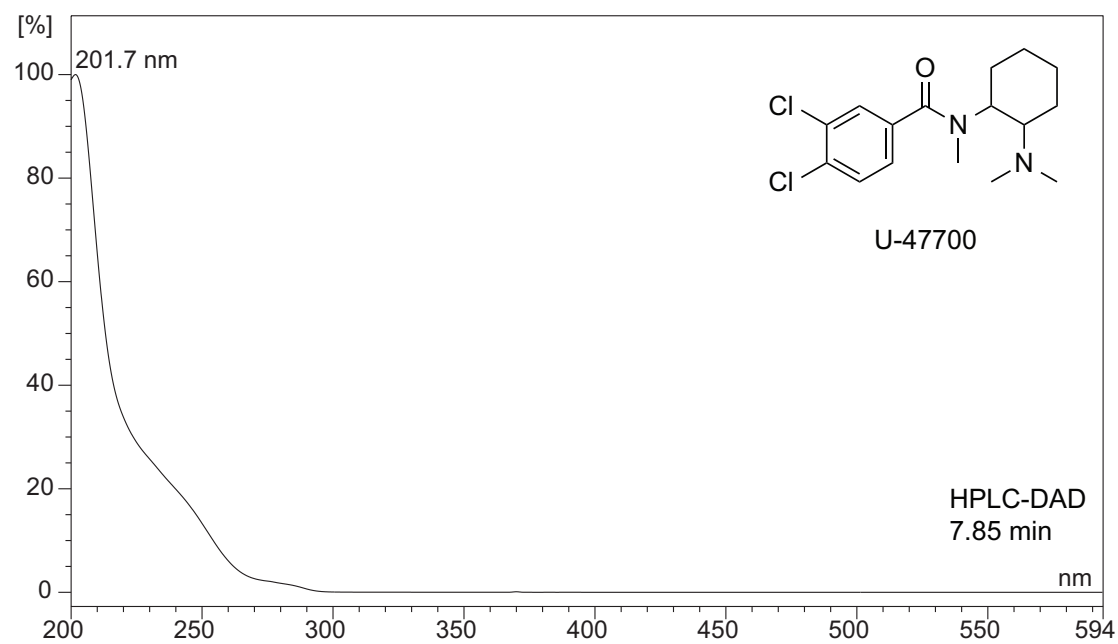
Simon P. Elliott,<sup>a,\*</sup> Simon D. Brandt<sup>b</sup>, Christopher Smith<sup>a</sup>

<sup>a</sup> *ROAR Forensics, Malvern Hills Science Park, Geraldine Road, Malvern WR14 3SZ, UK*

<sup>b</sup> *School of Pharmacy and Biomolecular Sciences, Liverpool John Moores University, Byrom Street, Liverpool L3 3AF, UK*

\* Correspondence to: Dr. Simon Elliott, ROAR Forensics, Malvern Hills Science Park, Geraldine Road, Malvern, Worcestershire, WR14 3SZ, UK; E-mail: simontox@yahoo.co.uk

HPLC-DAD data



UHPLC-QTOF-MS/MS data of *N*-demethyl-U47700 detected in femoral blood and extracted ion chromatograms obtained from femoral blood and urine

