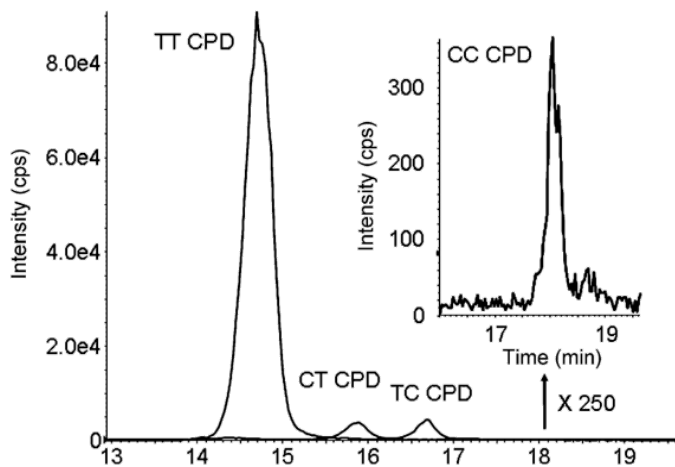


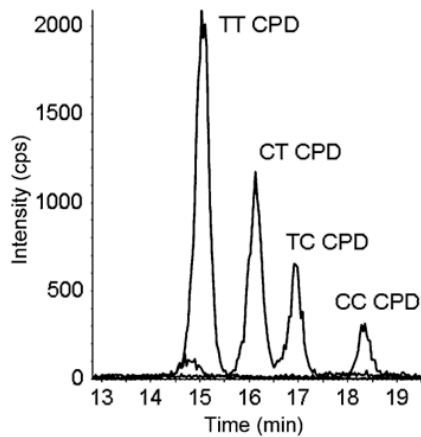
Application Number 127180
Method HPLC
Results



Title: see Note:

Legend:

- TT CPD - thymine-thymine cylobutane pyrimidine dimer
- CT CPD - cytosine-thymine cylobutane pyrimidine dimer
- TC CPD - thymine-cytosine cylobutane pyrimidine dimer
- CC CPD - cytosine-cytosine cylobutane pyrimidine dimer



Substances	TT CPD (thymine-thymine cylobutane pyrimidine dimer); CT CPD (cytosine-thymine cylobutane pyrimidine dimer); TC CPD (thymine-cytosine cylobutane pyrimidine dimer); CC CPD (cytosine-cytosine cylobutane pyrimidine dimer)		
Product(s)	Phase	REF	Webshop
	NUCLEODUR HILIC	760554.20	Shop now
Matrix			
Sample(s)	UVA radiation in presence of photosensitizer (for details see the cited literature)		
Conditions	Eluent A: 2 mmol/L ammonium formate Eluent B: acetonitrile Gradient: not specified by author Flow rate: 200 µL/min		
Detection	HPLC-MS/MS Mode: ESI negative		
Note	HPLC-MS/MS detection of CPDs in ML (<i>Micrococcus luteus</i>) DNA photosensitized by UVA (15 Jcm ⁻²) and norfloxacin (25 µmol/L).		
Author	Douki, T.; Bérard, I.; Wack, A.; Andrä, S.		
Source	Chem. Eur. J. 2014, 20, 5787 - 5794 DOI: 10.1002/chem.201303905		
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