Rational design of 9-vinyl-phenyl noscapine as potent tubulin binding anticancer agent and evaluation of the effects of its combination on Docetaxel

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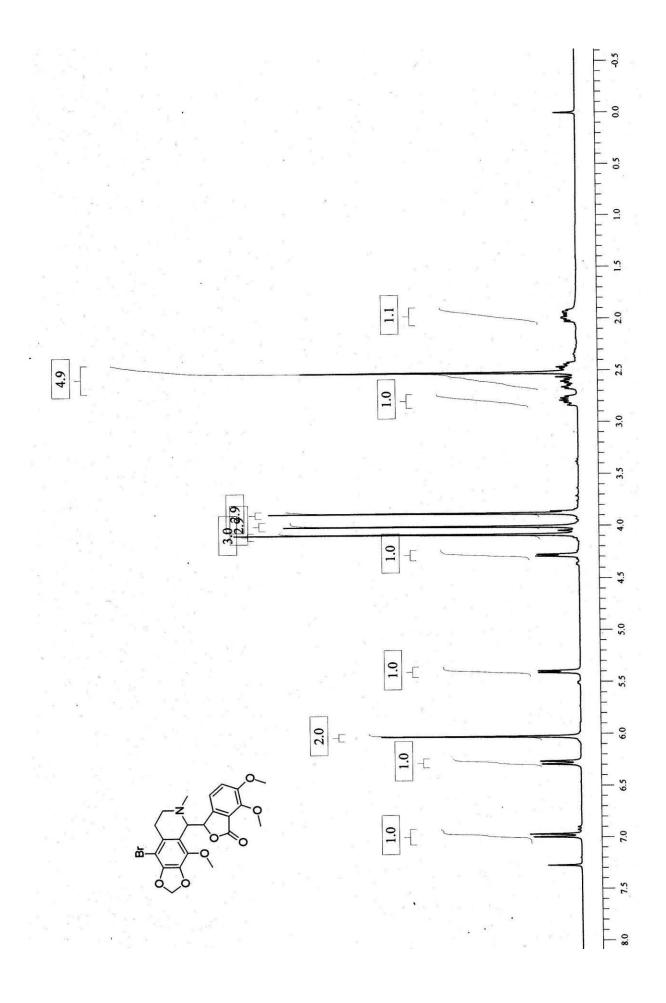
¹Centre of Excellence in Natural Products and Therapeutics, Department of Biotechnology and Bioinformatics, Sambalpur University, Jyoti Vihar, Burla, Sambalpur-768 019, Odisha, India

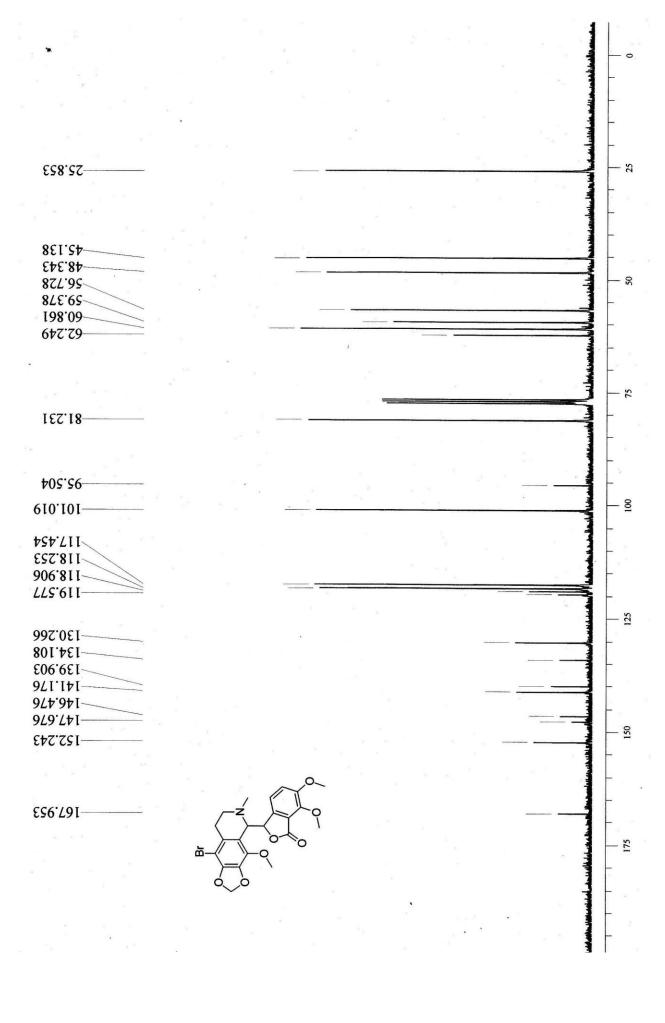
Supporting Information

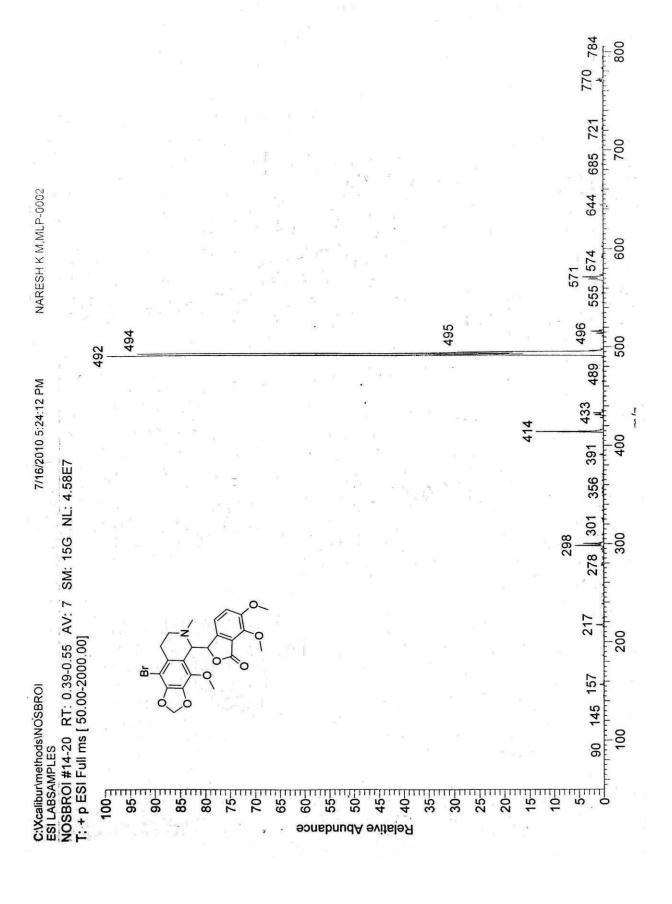
²Drug Discovery Research Centre, Translational Health Science and Technology Institute, 3rd Milestone, Faridabad-Gurgaon Expressway, Pali, Haryana 121 004, India

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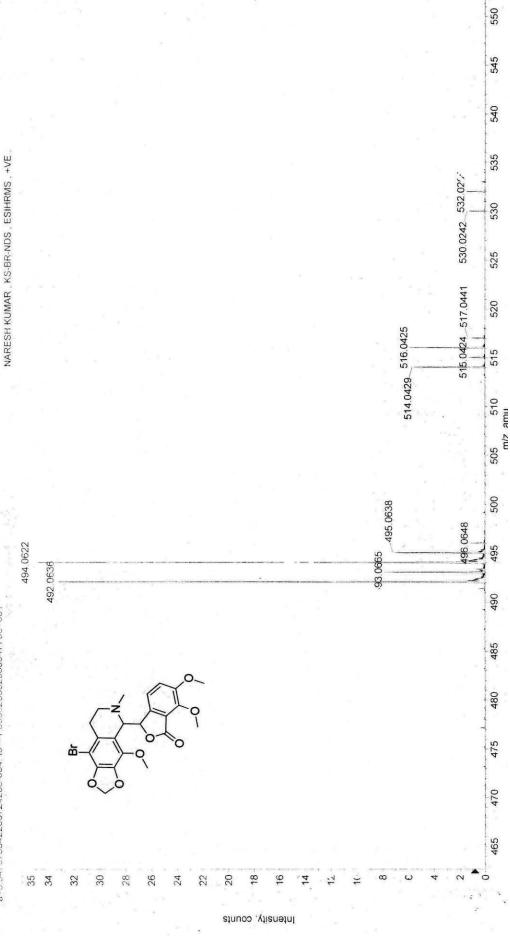
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4 , JF MS, 2 084 to 3.084 min from 07 JUNE2011.wiff a=3.54797354226072420e-004. t0=-1.39882085296994770e+001



ar Temperation n/a

Acq. Time: n/a

Elemental composition calculator



Target m/z: +492.0636 amu
Tolerance: +5.0000 ppm

Result type: Elemental

Max num of results: 100
Min DBE: -0.5000 Max DBE: +50.0000

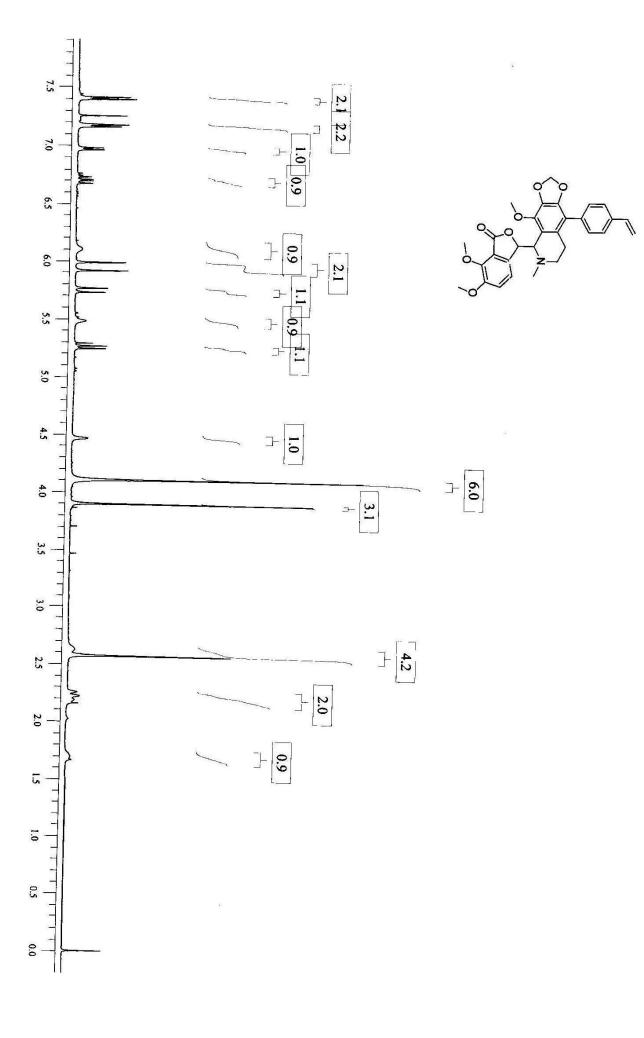
Electron state: OddAndEven
Num of charges: 0
Add water: N/A

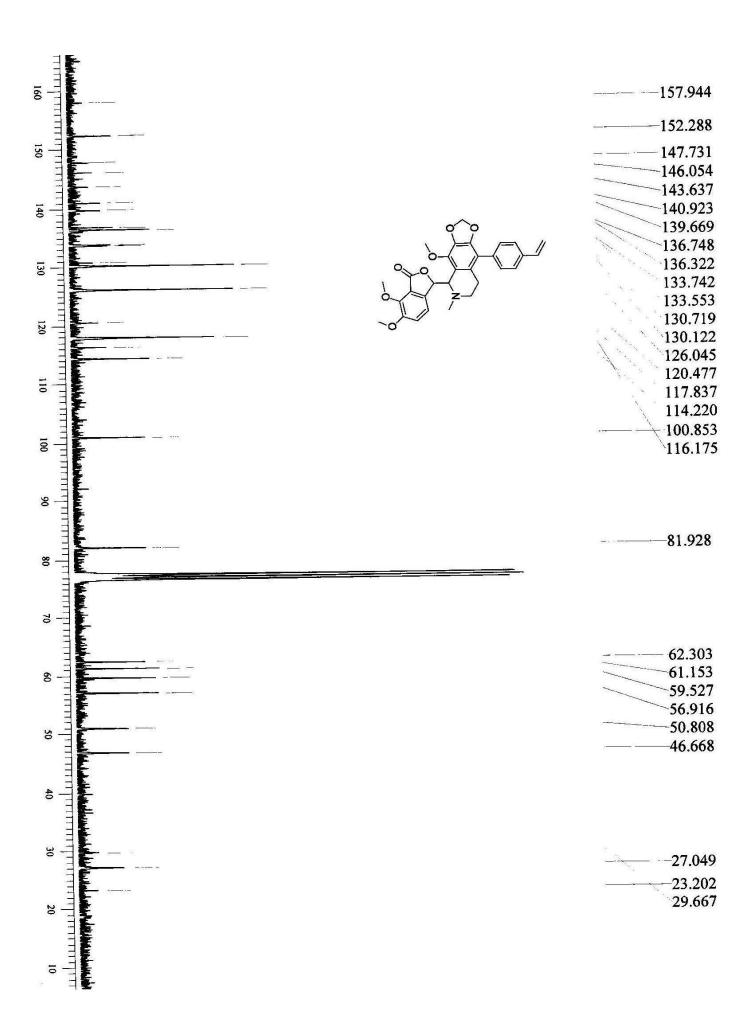
Add proton: N/A

File Name: 07JUNE2011.wiff

	Elements	Min Number	Max Number:
1	Br	0	1
2	C	0	22
3	H	0	23
4	N	0	1
5	Na	0	1
6	0	0	7

Formula	Calculated m/z (amu)	mDa Error	PPM Error	DBE
C22 H23 N O7 Br	492.0657	-2.1885	-4.4476	11.5

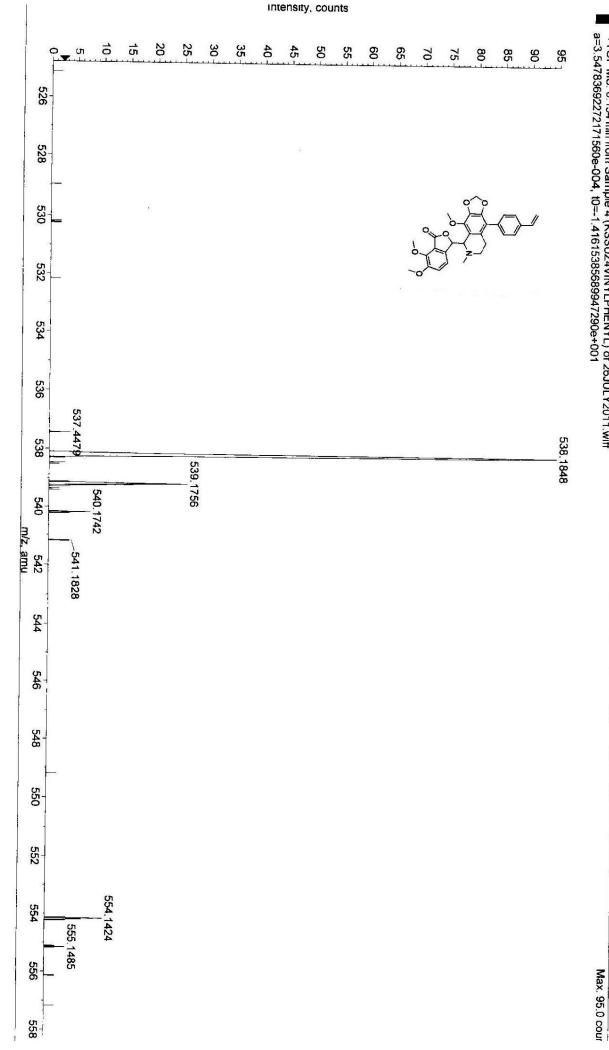




Acq. Date: Tuesday, July 26, 2011

Acq. Time: 11:24

Sample Comment: NARESH KUMAR.M., KS-SUZ-4-VINYLPHENTL, ESIHRMS, ESI-VE +TOF MS: 0.134 min from Sample 4 (KSSUZ4VINYLPHENYL) of 26JULY2011.wiff a=3.54783692272171560e-004, t0=-1.41615385689947290e+001



Acq. File: n/a

Sample Comment: r./a

Sample ID: n/a

Acq. Date: n/a

Acq. Time: n/a

Elemental composition calculator

Target m/z: +538.1848 Tolerance: +5.0000

Result type: Elemental

Max num of results: 100 Min DBE: -0.5000

Max DBE: +50.0000

amu

ppm

Electron state: OddAndEven

Num of charges:

Add water: N/A Add proton: N/A

File Name: 26JULY2011.wiff

	Elements	Min Number	Max Number:
 1	С	0	31
2	н	0	32
3	N	0	2
4	Na	0	1
5	0	0	9

	Formula	Calculated m/z (amu)	mDa Error	PPM Error	DBE
1	C30 H29 N O7 Na	538.1841	0.6276	1.1662	16.5