

P

M. M. , P. M. \*

De a e. B M, caB, U e. N e. C M a , 501 20 S., CB 92, G e. CO 80639-0017, USA

R e. 11 D 2003; 13 O 2004

A e. 23 D 2004

---

A a

L e. O (EQ EN ) J (C. P  
EQ EN C aB e a e a C. c e B S

1994; , 1996; , 1998; B , 1998),

M M (1998).

C. M. 24

(R  
 , 1991; F , 1992; F K , 1993)

1976).

(F , 1992; F , 1992; O  
 , 1998)

(R , 1991; F K ,  
1993; H , 1998). C

(F  
1992; F , 1992; F , 1995; O  
1998)

A<sub>2</sub> (PLA<sub>2</sub>)  
(PDE)

C<sub>1</sub>  
(C<sup>+2</sup>, M<sub>r</sub><sup>+2</sup>, +2)  
C<sup>+2</sup> PLA<sub>2</sub>, M<sub>r</sub><sup>+2</sup> PDE,

(F  
1992; O , 1998). F (1992)

H M  
(1996)

(100 M) B (C P ),

P (F K , 1993),

(R , 1991;  
F K , 1993; , 1994; B<sub>j</sub>

F , 1994; P , 1997; G -R , 1998;  
H , 1998). G (1993)

(  
1991). G (1993)

I  
(EQ )  
(EN ),

( ) -EQ

C aM c M (

) C aM a a (C P )

-EQ

( F K , 1993).

## 2. Ma a a

### 2.1. R a a

A ( )  
C A. N 14%

M 12  
I , I A. A  
(HPLC ) F A.

HPLC A.  
M M F C F  
C , CO, A.

### 2.2. V a a

(M , 1988),

a x B ( EA ), C aM

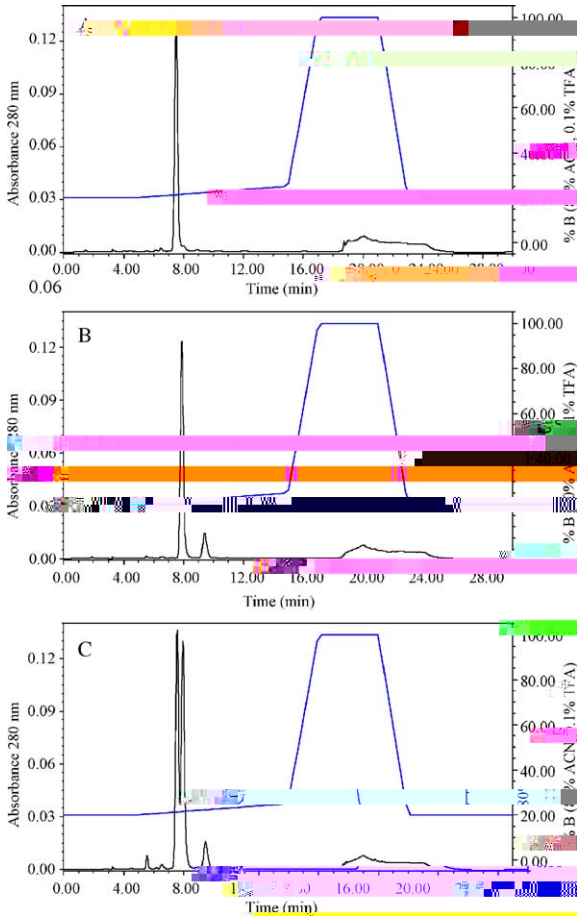
E P (ACN) (20  
 25% B 15 ; A=0.1%  
 ( FA) ; B=80% ACN 0.1% FA; 30  
 ). F  
 EQ EN (50  $\mu$ L J  
 0.2 M  
 , 2001; L M K , 2004).  
 EN EQ R  
 ) % A  
 EQ EN  
 C F  
 5  $\mu$ L H<sub>2</sub>O, 0.2 M EN EQ  
 J  
 F C M M  
 R C (F C , CO).  
 D 50/50 / 0.2%  
 0.5 / MALDI M  
 (K , MALDI I ).

2.4. I b C P V a c  
 e a b e a b a EQW  
 C P ( )  
 C a a a )  
 C P C a c )  
 ), 53 D,  
 H 8.25 (M , 1996). M  
 (10  $\mu$ ; 190 )  
 (ED A, EG A, 1,10 )  
 EQ 30  
 (M , 1996).

2.5. S ab c e a e  
 96  
 37 °C 5.0 M

EQ A 10, 1, 2, 4, 8,  
 12, 24, 48, 72 96  
 (A  
 , 1991);  
 D -PAGE (N 14%  
 ) 2-

3. R (F. 1A B)  
 EN  
 7.55  $\pm$  0.05 EQ 7.95  $\pm$  0.05



F. 1. RP-HPLC (A)

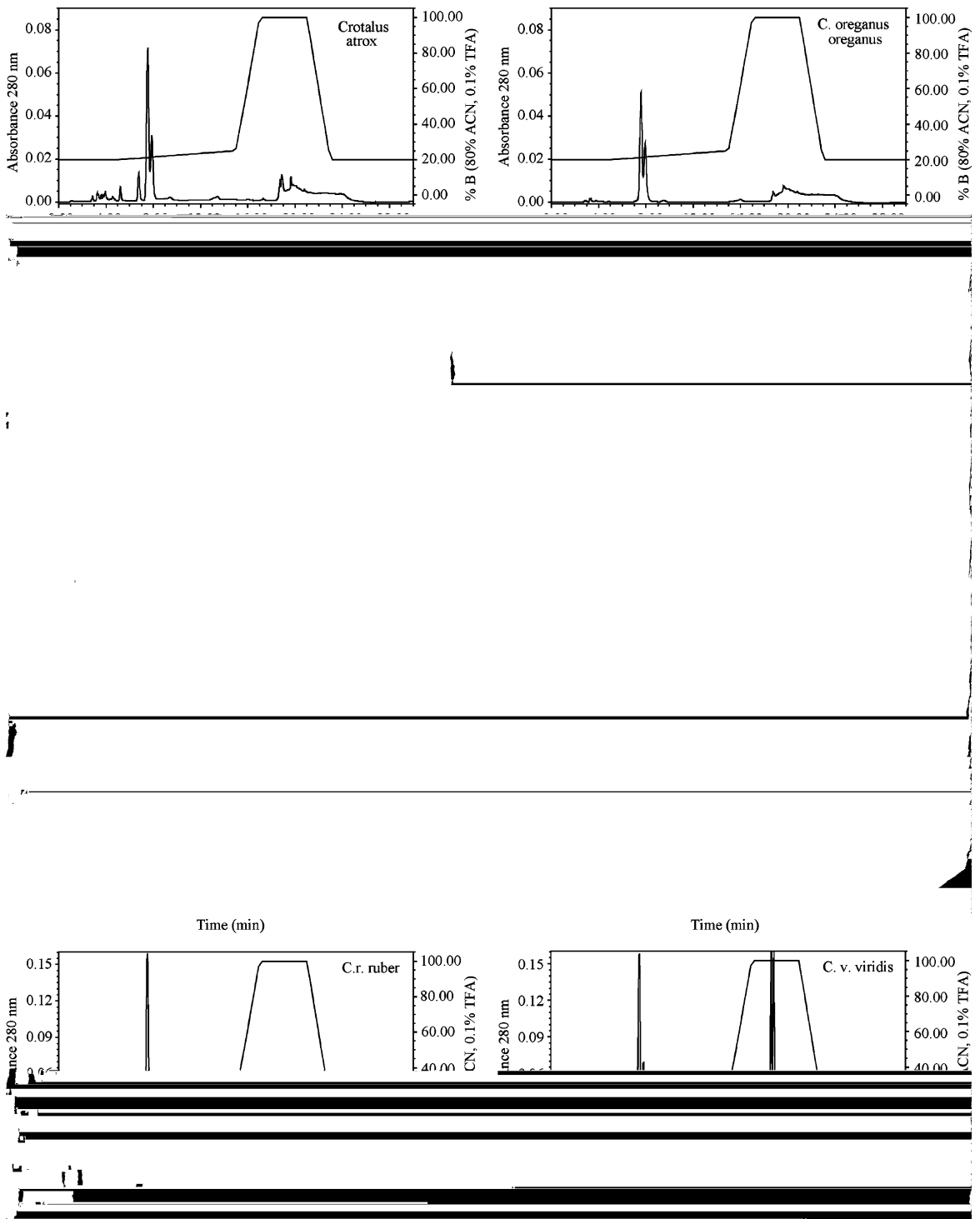
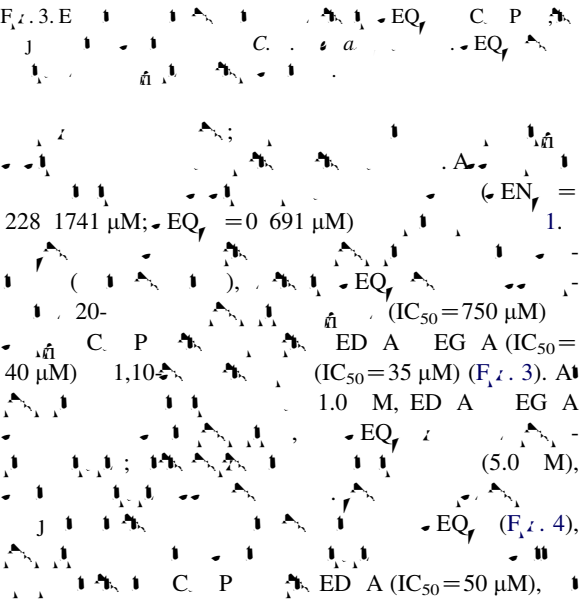
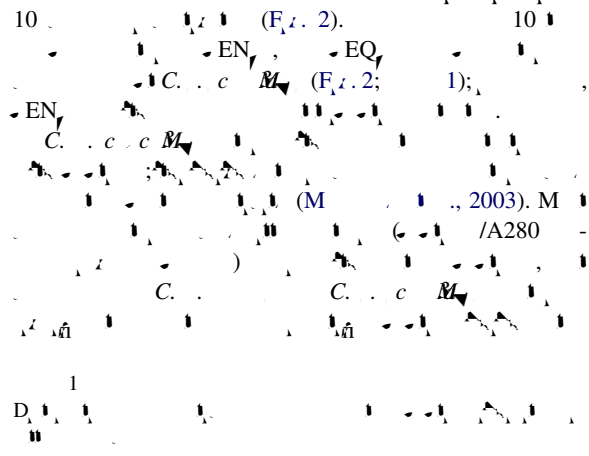
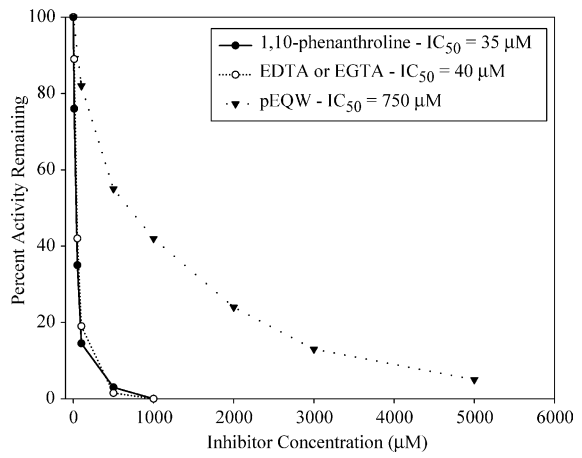
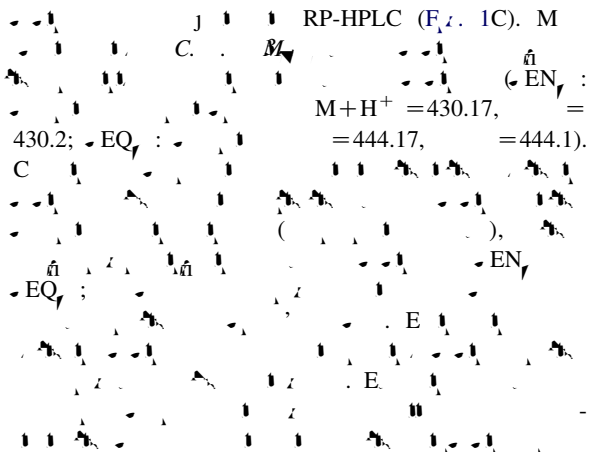
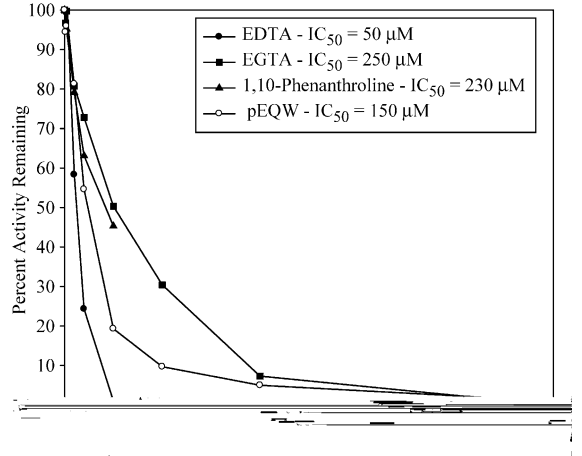


Fig. 2. RP-HPLC... (50 µL) ... 3 D ... P... 7.5 8.0 ... C. b... C... C. c... B...



	% EN	µM EN	% EQ	µM EQ	
C. <i>ab</i>	69.3	704	30.7	293	(+)
C. <i>a</i>	81.3	511	18.7	110	(+)
C. <i>c</i>	71.3	914	28.7	345	–
C. <i>M</i>	75.6	665	24.4	201	–
C. <i>bx</i>	81.4	790	18.6	169	–
C. <i>c</i>	100	635	0	0	(+)
C. <i>a</i>	70.4	228	29.6	90	(+)
C. <i>a</i>	62.1	507	37.9	291	–
C. <i>a</i>	70.3	1741	29.7	691	+
S. <i>ca</i>	55.5	452	44.5	340	–



EN, EQ; % EN, EQ; µM EN, EQ; (+), (–)

EQ, EQ



(A. Björk, F., 1994),  
(M., 1985)

C. *bx*

- Baker, M., J., M., L., E. et al., 1994. P. 20, 4-14.
- Baker, G., 1998. E. A. P., I., F. C., CO. 736.
- Baker, A.L., et al., A., 1975. M. J. (C. a. c. M.)



R..., A., P..., J.D., Bj..., J.B., F..., J..., 1991. ... A 50, 769-773.

..., B.K., B..., A., K..., R., M..., B..., 1995. A ... P ... N A ... A 92, 452-456.

..., K.F., 1998. R ... : B..., G... (E.), E... F ... C, 23. A..., I, F... C..., 705-736.

..., R., G..., J.L., ..., C.C., 1976. A ... N 261, 259-260.

..., A., 1996. O ... N ...

..., B.R., ..., A... (E.), N ... II. P ... P..., N ..., 37-62.

B..., B., E.J., ..., G.H., 2002. ... C... O... B..., 13, 333-337.

..., ..., A.R., A..., F..., ..., L., 1996. ... F... D..., 1, 29-34.

..., J., J.F., 1991. M ... FA EB J. 5, 2145-2154.

..., D., B..., I., G...-R..., F..., D..., R., B..., C., Nj..., F.G., F..., J..., B..., M..., E.F., 1994. ... C( ... ). P... N... A ... A 91, 8447-8451.