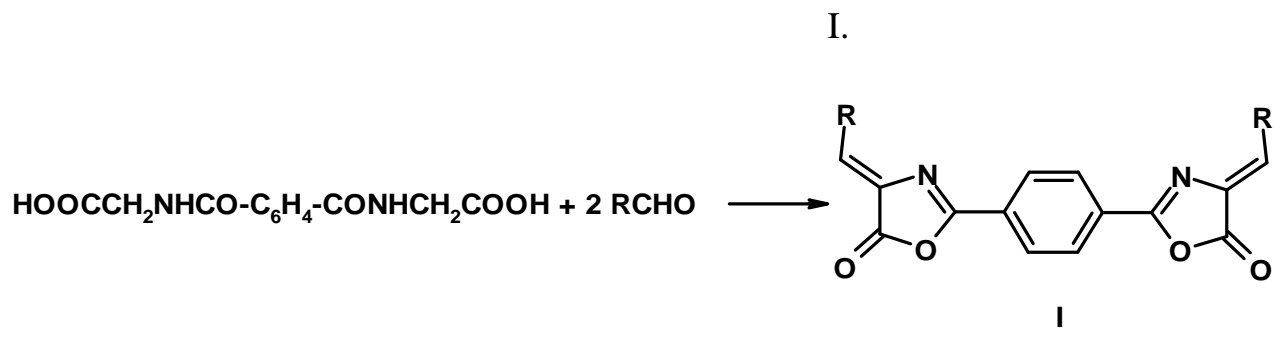


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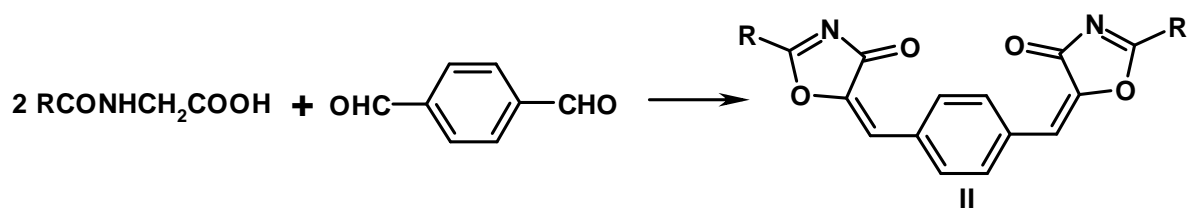
Symmetric bifluorophoric substances oxazolones derivatives as effective organic luminophores were obtained. Comparative investigation of spectral-luminescent properties of obtained substances with analogous mono derivatives were made.

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 , [1]. -
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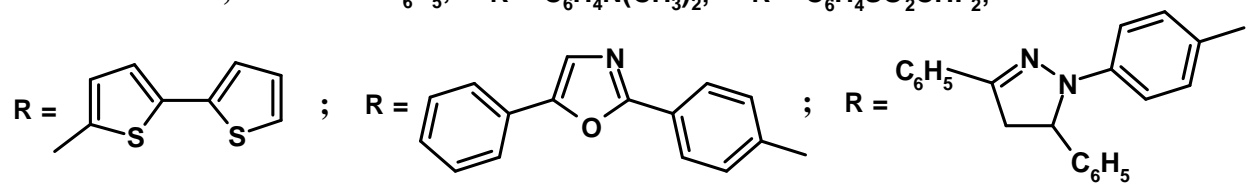


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 I II , -

[1, 2].



I, II $\text{R} = \text{C}_6\text{H}_5$; $\text{R} = \text{C}_6\text{H}_4\text{N}(\text{CH}_3)_2$; $\text{R} = \text{C}_6\text{H}_4\text{SO}_2\text{CHF}_2$;



I, II.
 1580 – 1850 ⁻¹
 1800 ⁻¹
 1770 ⁻¹
 1650 – 1660 ⁻¹
 C=N.

[2].

I, II

(III)

II

(70)

(95)

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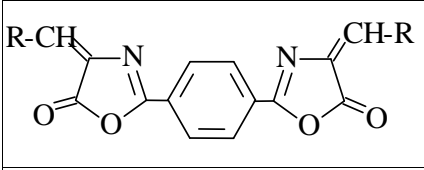
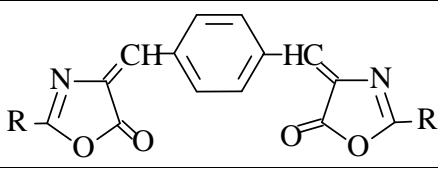
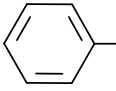
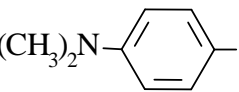
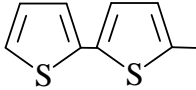
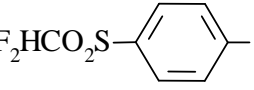
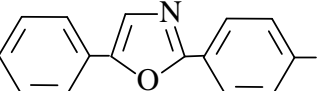
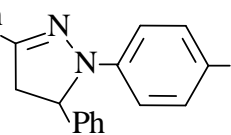
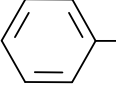
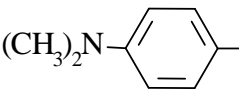
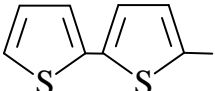
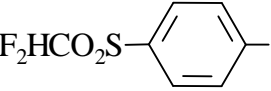
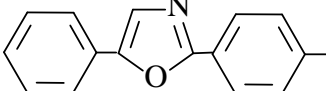
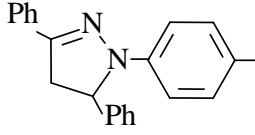
I III ,

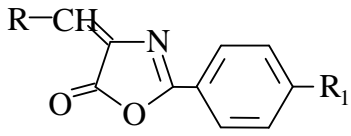
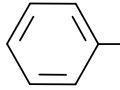
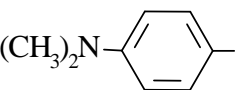
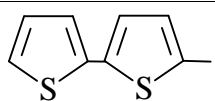
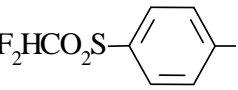
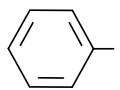
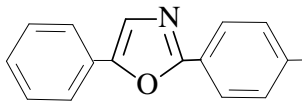
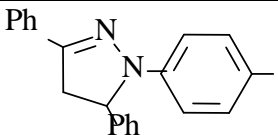
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	λ (ε)	λ (η)	
R	(ε)	(η)	R
Ia 	350 (3.20) 405 (4.83)	480 (0.10)	
I 	320 (2.00) 475 (7.38)	480 (0.10)	
I 	305 (1.12) 460 (6.73)	480 (0.20)	
I 	350 (3.30) 405 (5.66)	485 (0.15)	
I 	310 (1.80) 405 (5.90)	590 (0.50)	
I 	350 (2.90) 510 (7.12)	610 (0.28)	
	340 (2.00) 430 (7.25)	515 (0.20)	II 
	305 (8.89) 420 (0.90)	585 (0.15)	II 
	330 (2.18) 485 (7.15)	580 (0.30)	II 
	360 (2.93) 440 (5.87)	520 (0.27)	II 
	340 (2.90) 445 (6.32)	540 (0.43)	II 
	365 (2.50) 515 (7.55)	630 (0.30)	II 

		λ . . . (ε)	λ . . . (η)
R	R ₁		
IIIa 	H	360 (3.90)	420 (0.01)
III 	H	305 (1.20) 470 (5.50)	510 (0.01)
III 	H	300 (1.54) 455 (4.88)	515 (0.01)
III 	H	270 (0.58) 370 (5.05)	450 (0.23)
III 	- N(CH ₃) ₂	310 (4.98) 380 (1.30)	
III 	H	305 (1.40) 415 (5.05)	480 (0.20)
III 	H	495 (7.40)	530

[4].

I , II

I , II ,

II ,

S₀ S₁*-

(I , I II , II)

S_0 S_1^* -

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II , II

I , I (35

III III .

(II), S_0 S_1^* -

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(II)-

I ,

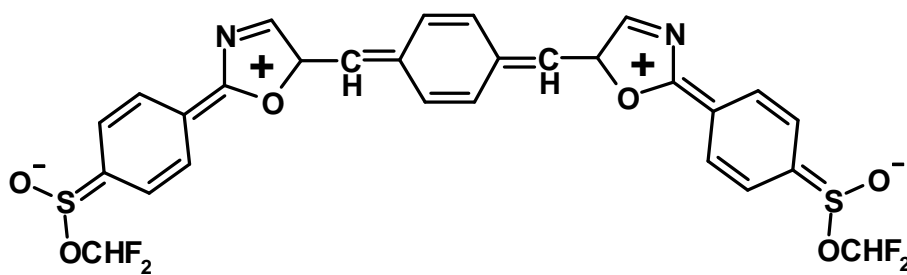
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SO_2CHF_2 -

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S_0 S_1^* -



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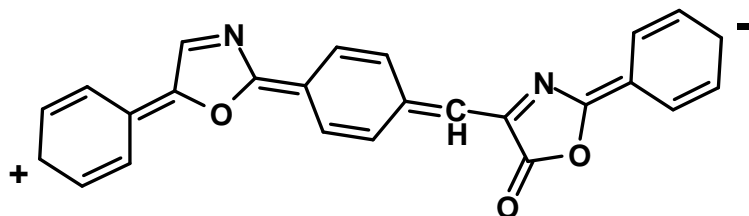
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[6]. = - , , 2- S₁*



II S₀ S₁* , II -

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II II .

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2- 4-

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[7].

II

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(I , I , II)

3020 - 7740 ⁻¹.

25000-35000⁻¹ [8].

55000 – 75000⁻¹ ^{*}-⁻¹.

[9] n^{*}-^{*}- , -
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III - T(n^{*})-
S₁(^{*})-
S₁(^{*}) T(n^{*})- .
 , [11].

III ,
S₁(^{*})- , T(n^{*})-
S₁(^{*})- T(n^{*})- , T(n^{*})-

I, II
S₁(^{*})- , S₁(^{*}) T(n^{*})-
T(n^{*})-

S- T-^{*}- .

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 I, II -
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[11].

II

- [12]. - UR-20 KBr
 CCl₄ CHCl₃ 700 – 1900 ⁻¹ = 0.01 / -
 NaCl 0.1 . -
 3 10⁻³ /), - , -
 -3, -18 -95.
 -500, -4
 365 .
- : 1. -
 2- -5- .// . 1978. 2. . 158-160.
 2. -
 2- -4- -5- .// . 1980. 7. . 909-911.
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