

## Chikkanna Government Arts College, Tirupur-641 602

**2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.**

The internal assessment is made in accordance to the guidelines of the parent University. However, the college ensures at most transparency in the conduct and evaluation of continuous internal tests and award of internal marks to students. Measures taken to ensure transparency in internal assessment mechanisms are given below:

1. Conduct of Internal Assessment Tests three times in a semester in accordance to the schedule given in the academic calendar
2. Evaluation of Answer Scripts and Assignments and disclosing the score to the students immediately
3. Record of Internal Assessment Marks in CIA Register : CIA Marks for each subject under each parameter is recorded in a separate register. This register is maintained separately for each batch of students and all CIA marks are entered for their entire course
4. Internal marks are disclosed to the students and discussed with them. The final marks after improvement if any is recorded in the CIA registers and students signatures are obtained after their agreement on their scores.
5. Periodically, the internal assessment scores are intimated to the parents

### Internal Exam Attendance

Chikkanna Government Arts College, Tirupur-2						
PG Department of Chemistry						
I CIA Exam Feb 2023						
Semester VI		III B.Sc(T/M)				
S.No	Date		27-03-2023	28-03-2023	29-03-2023	02-03-2023
	Subject		Organic-II 63A	Physical-63B	Dye Chem-6EC	EVS-6EE
1	2022D0025	AISWARYA L	+ AB -	S. Pradeep L. Aiswarya	L. Aiswarya	L. Aiswarya
2	2022D0026	BRINDHA S	- AB -	S. Brindha	S. Brindha	S. Brindha
3	2022D0027	KIRUBASRI D	D. Kirubasri	D. Kirubasri	D. Kirubasri	D. Kirubasri
4	2022D0028	KULANTHAI THERAS A	Kulanthai Therasa	A. Kulanthai Therasa	A. Kulanthai Therasa	A. Kulanthai Therasa
5	2022D0029	UMA R	R. Uma	R. Uma	R. Uma	R. Uma
6	2022D0030	ARULKUMAR K	A. Arulkumar	A. Arulkumar	A. Arulkumar	A. Arulkumar
7	2022D0031	DHARUN R	R. Dhareen	R. Dhareen	R. Dhareen	R. Dhareen
8	2022D0032	DRAVIDAN J	J. Dravidan	J. Dravidan	J. Dravidan	J. Dravidan
9	2022D0033	KALAISELVAN K	Kalaiselvan K	Kalaiselvan K	Kalaiselvan K	Kalaiselvan K
10	2022D0034	KARTHICK G	G. Karthick	G. Karthick	G. Karthick	G. Karthick
11	2022D0035	KARTHICK M	M. Karthick	M. Karthick	M. Karthick	M. Karthick
12	2022D0036	MOHAMMEDSHARIF A	A. Mohammed Sharif	A. Mohammed Sharif	A. Mohammed Sharif	A. Mohammed Sharif
13	2022D0037	PASUPATHI M	M. Pasupathi	M. Pasupathi	M. Pasupathi	M. Pasupathi
14	2022D0038	PRADEEP V	V. Pradeep	V. Pradeep	V. Pradeep	V. Pradeep
15	2022D0039	PRAVEEN KUMAR S	S. Praveenkumar	S. Praveenkumar	S. Praveenkumar	S. Praveenkumar
16	2022D0040	PRAVEEN S	S. Praveen	S. Praveen	S. Praveen	S. Praveen
17	2022D0041	RAGUL M	M. Ragul	M. Ragul	M. Ragul	M. Ragul
18	2022D0042	RANJITHKUMAR N	N. Ranjith Kumar	N. Ranjith Kumar	N. Ranjith Kumar	N. Ranjith Kumar
19	2022D0043	SANTHOSH KUMAR S	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar	S. Santhosh Kumar
20	2022D0044	SELVAKUMAR A	A. Selvakumar	A. Selvakumar	A. Selvakumar	A. Selvakumar
21	2022D0045	SIVA M	M. SIVA	M. SIVA	M. SIVA	M. SIVA
22	2022D0046	SRIJEGADEESH R	R. Srijegadeesh	R. Srijegadeesh	R. Srijegadeesh	R. Srijegadeesh
23	2022D0047	THAMIMANSARI A	A. Thamim Ansari	A. Thamim Ansari	A. Thamim Ansari	A. Thamim Ansari



**PRINCIPAL**  
 Chikkanna Govt. Arts College  
 Tirupur

## Chikkanna Government Arts College, Tirupur-2

## PG Department of Chemistry

I CIA Exam Feb 2023

Semester VI		III B.Sc(E/M)				
S.No	Date		27-02-2023	28-02-2023	01-03-2023	02-03-2023
	Subject		Organic-II 63A	Physical-63B	Dye Chem-6EC	EVS-6EE
1	2022D0001	ANUSIRIYA S	Amey	Amey	Amey	Amey
2	2022D0002	DEEPA G	G. Deepa	G. Deepa	G. Deepa	G. Deepa
3	2022D0003	INDHUMATHI D	D. Indhu	D. Indhu	D. Indhu	D. Indhu
4	2022D0004	KAVIYA M	M. Kaviya	M. Kaviya	M. Kaviya	M. Kaviya
5	2022D0005	LATHA MANGESHKAR K	K. Latha	K. Latha	K. Latha	K. Latha
6	2022D0006	ABESH MATHEW A	A. Abesh	A. Abesh	A. Abesh	A. Abesh
7	2022D0007	ANANTHAN R	R. Ananthan	R. Ananthan	R. Ananthan	R. Ananthan
8	2022D0008	ANBARASAN M	M. Anbarasan	M. Anbarasan	M. Anbarasan	M. Anbarasan
9	2022D0009	DEEPAK KULANTHAI RAJ S R	S. R. Deepak	S. R. Deepak	S. R. Deepak	ABSENT
10	2022D0010	DEEPAK M	M. Deepak	M. Deepak	M. Deepak	M. Deepak
11	2022D0012	ELAMURUGAN S	S. Elamurugan	S. Elamurugan	S. Elamurugan	S. Elamurugan
12	2022D0013	GAJENDRAN S	S. Gajendran	S. Gajendran	S. Gajendran	S. Gajendran
13	2022D0014	NAVEEN A	A. Naveen	A. Naveen	A. Naveen	A. Naveen
14	2022D0015	PRABAKARAN C	C. Prabakaran	C. Prabakaran	C. Prabakaran	C. Prabakaran
15	2022D0016	PRAVEEN B	B. Praveen	B. Praveen	B. Praveen	ABSENT
16	2022D0017	RAGUL R	R. Ragul	R. Ragul	R. Ragul	R. Ragul
17	2022D0018	SIVABALAN S	S. Sivabalan	S. Sivabalan	S. Sivabalan	S. Sivabalan
18	2022D0019	SIVARAJ R	R. Sivaraaj	R. Sivaraaj	R. Sivaraaj	R. Sivaraaj
19	2022D0020	SOUNDHAR K	K. Soundhar	K. Soundhar	K. Soundhar	K. Soundhar
20	2022D0021	SRIDHAR S	S. Sridhar	S. Sridhar	S. Sridhar	S. Sridhar
21	2022D0022	UDHAYAKUMAR S	S. Udhaya Kumar	S. Udhaya Kumar	S. Udhaya Kumar	S. Udhaya Kumar
22	2022D0023	VASANTH P	P. Vasanth	P. Vasanth	P. Vasanth	P. Vasanth
23	2022D0024	VIGNESH H	H. Vignesh	H. Vignesh	H. Vignesh	H. Vignesh
24	1522D0063	Praveen	P. Praveen	P. Praveen	P. Praveen	P. Praveen


Dr. Deepa  
20/2/23

Dr. Deepa  
30/3/23

### Sample Internal Exam Timetable

PG & Research Department of Chemistry		
Continuous Internal Assessment (CIA II) Test - MARCH 2023		
B.Sc & M.Sc Chemistry		Time: 9:30 AM to 11:30 AM
Date	Subjects	Subject Code
27.03.23	Tamil - II	22T
	Tamil - IV	42T
	Core-XII Chemistry Paper X (Spectroscopy & Natural Products)	63A
M.Sc	Organic Chemistry II (Molecular Rearrangements & Photochemistry)	23A
	Inorganic Chemistry II (Coordination Chemistry)	43A
28.03.23	English - II	22E
	English - IV	42E
	Core XIII Chemistry Paper XI (Physical Chemistry)	63B
M.Sc	Physical Chemistry II (Quantum Chemistry & Nanomaterials)	23B
	Physical Chemistry IV (Reaction Kinetics and Electrochemistry)	43B
29.03.23	Allied Physics	2AF
	Allied Mathematics and Botony	4AA & 4AJ
	Elective Group II C - Dye Chemistry	6EC
M.Sc	Physical Methods in Chemistry I - Paper VI	23C
	Polymer Technology - Paper XII	43C
30.03.23	Core II - Chemistry Paper II (General Chemistry II)	23A
	Core VI - Chemistry Paper V - Organic Chemistry I	43A
	Elective Group III B: Environmental Chemistry	6EE
M.Sc	Elective II : Water Pollution and Industrial Effluent Treatment	2EA
	Elective IV: Industrial Chemistry	4EA
31.03.23	Skill Based Subject: Technology of Dyeing of Natural Fiber(Tex.Chem II)	4ZB
01.04.23	Allied Chemistry (for Zoo, Maths and Physics Major)	2AH

\*Few Exam date may be subject to change

  
 Head  
 Department of Chemistry,  
 Chikkanna College,  
 Tumkur - 572 602.

Internal and External Mark Record - Sample

**CHIKKANNA GOVERNMENT ARTS  
STUDENTS RECORD**

**COLLEGE, TIRUPPUR - 641 602.**

1. Name AKI. PRASATH. R. 6. Roll No. 19VH191P  
 2. Sex Male 7. University Register No. 19215.90.14  
 3. Date of Birth 04/05/2002 8. Category General/PP  
 4. Admission No. & Date 0485/2019. 085 9. School/College Studied SRM VEDAVARA HR SEC  
 5. Community OC/SC/MBC/SC/ST 10. Cell No. 9449876500, 998566014  
 Degree B.A. Course HISTORY

Subject Code	I Semester			II Semester			III Semester						
	CIA	Ext	Total	P/F	Subject Code	CIA	Ext	Total	P/F	Subject Code	CIA	Ext	Total
11T	21	25	46	P	23	24	48	P	31T	23	23	46	P
12B	21	51	72	P	23	62	85	P	32E	23	43	66	P
13A-MIS 02	19	49	68	P	24	68	92	P	32A	25	56	81	P
13B-MIS 02	19	43	62	P	24	68	92	P	33B	23	59	82	P
14A-POLM	25	44	69	P	24	62	86	P	34A	29	47	76	P
14B-ENVYI	25	44	69	P	24	62	86	P	34B	29	47	76	P
15A-ENVYI	25	44	69	P	24	62	86	P	35C	29	47	76	P
15B-ENVYI	25	44	69	P	24	62	86	P	36A	29	47	76	P

Subject Code	IV Semester			V Semester			VI Semester							
	CIA	Ext	Total	P/F	Subject Code	CIA	Ext	Total	P/F	Subject Code	CIA	Ext	Total	P/F
41T	21	65	86	P	53A	24	48	72	P	63A	24	48	72	P
42E	20	43	63	P	53B	24	63	87	P	63B	24	48	72	P
43A	24	49	73	P	53C	24	40	64	P	63C	24	47	71	P
43B	24	50	74	P	53D	24	45	69	P	63E	25	48	73	P
44A	24	51	75	P	54A	24	39	63	P	63D	24	44	68	P
44E	40	40	80	P	52C	19	37	56	P	63P	25	45	70	P
45B	20	44	64	P						67A				P

11. Parent's Name Paramasivay P. 14. Bank Name Co-operative Bank  
 12. Occupation Teacher 15. Bank Address Karumatharam Petri  
 13. Address HSD. P. R. PATHI STREET 15, Bank AC No. 3451120000269  
KARUMATHARAM PETRI, TIRUPUR, TAMILNADU 16. Bank AC No. 3451120000269  
Co-operative Bank, 15, Street, Karumatharam Petri, Tiruppur, Tamil Nadu 17. IFSC Code COOP0000003  
 Major Political Science 18. MICR Code 641015026  
 Address 21, Advar, 641657, Tiruppur



### Academic Record - Sample

# CHIKKANNA GOVERNMENT ARTS STUDENTS RECORD

1. Name **HEMAVASTHI D** 6. Roll No. **19UCH51**  
 2. Sex **Female** 7. University Register No. **1922 D 0001**  
 3. Date of Birth **2.1.2000** 8. Category **General/PCP**  
 4. Admission No & Date **2501100519** 9. School/ College Studied **MADRAS MADHUR**  
 5. Community **OC/BC/MBC/SC/ST** 10. Cell No. **948334003**  
 Degree **B.Sc** Course **CHEMISTRY**

I Semester			IV - BRNK			VI - BRNK			III Semester					
Subject Code	CIA	Ext	Total	PIF	Subject Code	CIA	Ext	Total	PIF	Subject Code	CIA	Ext	Total	PIF
11T	21	61	82	P	21T	24	68	92	P	31T	20	52	72	P
12E	21	48	69	P	20E	25	64	89	P	32E	22	49	71	P
13A	25	44	69	P	29A	05	63	68	P	33A	25	49	74	P
14F	17	48	65	P	23B	29	60	89	P	33B	24	63	87	P
15A					20E	20	50	70	P	34A	25	49	74	P
					20F	19	39	58	P	35A	19	52	71	P
					20F					35C				P

% of Marks **89 days / 7 M**  
 % of Attendance **99 / 95%**

11. College Terms Fees Receipt No. & Date  
**11Y: RA 32446 1071 2019**  
**11Y: RA 32446 1071 2019**  
 12. Govt. Scholarship  
 13. Other Scholarship received if any  
 14. Last Date of Attendance  
 15. Alumni Membership No. & Date  
 16. Month / Year of Passing the Degree  
 17. Over all % of Grade

# COLLEGE, TIRUPUR - 641 602. SHEET

11. Parent's Name **DURAI SWAMY M.** 14. Bank Name **Canara Bank**  
 12. Occupation **COFFE** 15. Bank Address **Ayyararpet**  
 13. Address **257 EBLAVOORU, 7th STREET, GRANDI** 16. Bank A/C No. **5428101005111**  
**CHIKKANNAR, TIRUPUR, 641 602** 17. IFSC Code **CNRB0003438**  
 Major **CHEMISTRY** Allied **PHYSICS**  
 Degree **CHEMISTRY** 21. **ANITA S**

IV Semester			V Semester			VI Semester								
Subject Code	CIA	Ext	Total	PIF	Subject Code	CIA	Ext	Total	PIF	Subject Code	CIA	Ext	Total	PIF
41T	00	00	00	P										
42E	21	45	66	P										
43A	25	41	66	P										
43B	40	54	94	P										
44A	24	71	95	P										
45B	20	35	55	P										
46E														

10. Govt. Concession Availed  
 11. Free Bus Pass  
 12. Free Laptop  
 13. Received +2 Mark Sheet  
 14. Received P & C Mark Sheet  
 15. Course Completed / Discontinued  
 16. TC Issued  
 17. Degree Certificate issued  
 Certificate No. \_\_\_\_\_  
 Signature \_\_\_\_\_



# Sample Internal Exam Paper

வினாப் புத்தகம்  
பெயர் A MATHANKUMAR  
புத்தக எண் 2232DC017  
பிரிவு I-MSc (che)

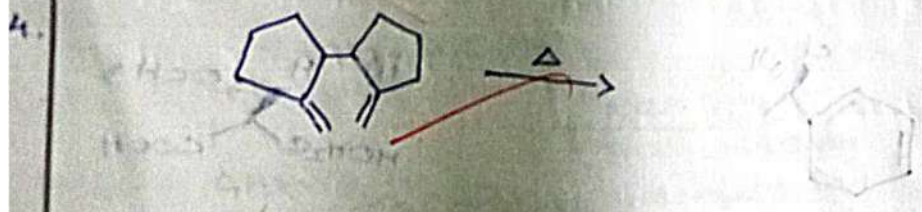
பட்டம் ORGANIC CHEMISTRY - I  
தேர்வு MODEL EXAM - 2023  
(தேர்வு நேரம் மூன்று மணி நேரம் எழுதி  
பயிற்சி செய்து செய்யப்பட வேண்டியவை)

SECTION - A

46  
50

- 1. b) wagner - Meerwein rearrangement
- 2. c) chapman
- 3. Concerted reaction:-

Concerted reaction is known as the bond breaking and bond making are happens in a single step of the reaction.



- 5. b) biradical
- 6. d) Sn/HCl

IM-SC  
chem

கல்வி.பி. 131-400/5-5,00,000 பிரதிபக்-அ.கி.அ., திருச்சி-15-2022.

விடைப் புத்தகம்

அரசாங்க நிறுவனத்தின் பெயர் } CGIAC  
பெயர் SAFEEQ.A  
பதிவேண் வகுப்பு M.S.C.C.I  
RR3ED001B

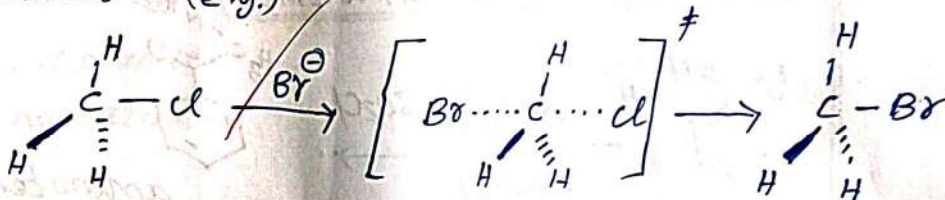
பாடம் ORGANIC CHEMISTRY  
தேர்வு MODEL EXAM  
(தேர்வு தொடங்கும் முன்னரே தேர்வு எழுது பவரால் பூர்த்தி செய்யப்பட வேண்டியவை)  
25/04/23

SECTION - A

1. b) Wagner-Meerwein rearrangement.

2. c) Chapman.

3. concerted reaction in which bond breaks and formed simultaneously. NO intermediate involved (e.g.)



5. b) biradical

6. d)  $\text{S}_\text{N}1/\text{HCl}$

7.

35/50  
Safar



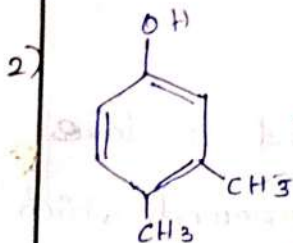
விடைப் புத்தகம்

அரசாங்க நிறுவனத்தின் பெயர். CGIAS COLLEGE  
பெயர் M. Akshayavardhini  
பதிவேண் 2232 D00 வகுப்பு I-M.Sc  
Chemistry

பாடம் ORGANIC CHEMISTRY-I  
தேர்வு CIA-II  
(தேர்வு தொடங்கும் முன்னரே தேர்வு எழுது  
பவரால் பூர்த்தி செய்யப்பட வேண்டியவை)

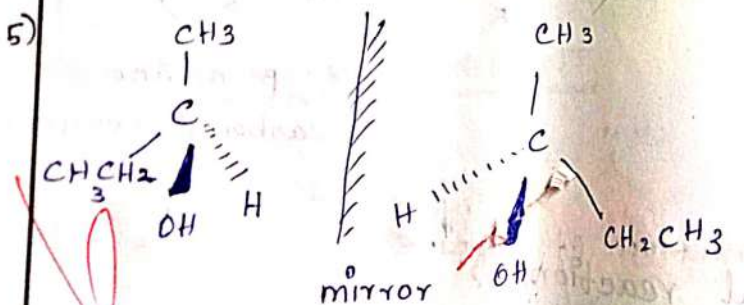
SEC-A

1) Lossen rearrangement

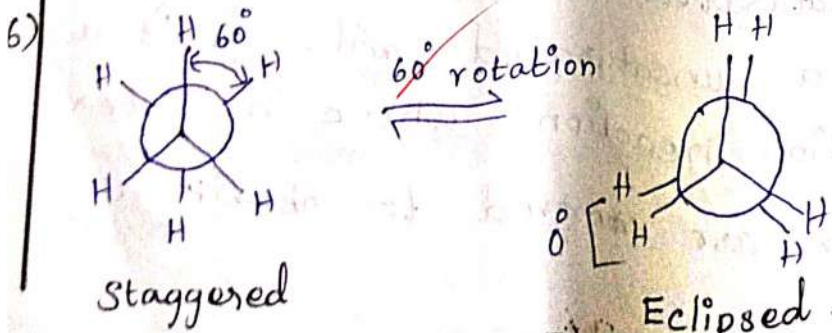


3) Stevens

4) Chair > Twist > boat > half chair



Enantiomeric structures of 2-butanol



24  
30  
Akshaya

# Sample Assignment

# IR & NMR SPECTROSCOPY

Reg. NO	2232 DCO 19
Name	Santoshvel . N
Class	II. M.Sc Chemistry
Subject	PMC - II
Date	22.10.2023

7) gaseous HCl gives an IR absorption peak at  $2890 \text{ cm}^{-1}$  due  
 a) to H-Cl stretching vibration.

i) calculate the force constant of the bond:

$$K = (\bar{\nu} \times 2\pi c)^2 \mu$$

$$K = (\bar{\nu} \times 2\pi c)^2 \left( \frac{m_1 m_2}{m_1 + m_2} \right)$$

$$K = (2890 \text{ cm}^{-1} \times 2 \times 3.14 \times 3 \times 10^{10} \text{ cm/s})^2 \left[ \frac{1 \text{ g/mol} \times 35.5 \text{ g/mol}}{1 \text{ g/mol} + 35.5 \text{ g/mol}} \right]$$

$$= (5.444 \times 10^{14} \text{ s}^{-1})^2 \left[ \frac{35.5 \text{ g/mol}}{36.5 \text{ g/mol}} \right]$$

$$= 29.637 \times 10^{28} \text{ s}^{-2} \left[ \frac{35.5 \text{ g/mol}}{36.5 \text{ g/mol}} \right]$$

$$= 2.9637 \times 10^{29} \text{ s}^{-2} \left[ 0.9726 \text{ g/mol} \times \frac{1 \text{ kg}}{1000 \text{ g}} \times 1 \text{ atom} \times \frac{1 \text{ mol}}{6.022 \times 10^{23} \text{ atom}} \right]$$

$$= 2.9637 \times 10^{29} \text{ s}^{-2} (1.162 \times 10^{-27} \text{ kg})$$

$$K = 480.30 \text{ kg s}^{-2}$$

ii) calculate the wave number of the absorption peak for DCl assuming the force constant is the same as that obtained in (i)

$$\bar{\nu} = \frac{1}{2\pi c} \sqrt{\frac{K}{\mu}}$$

$$\bar{\nu} = \frac{1}{2\pi c} \sqrt{\frac{K}{\frac{m_1 m_2}{m_1 + m_2}}}$$

$$= \frac{1}{2 \times 3.14 \times 3 \times 10^{10} \text{ cm/s}} \sqrt{\frac{480.30 \text{ kg s}^{-2}}{\frac{2 \text{ g/mol} \times 35.5 \text{ g/mol}}{2 \text{ g/mol} + 35.5 \text{ g/mol}}}}$$

$$= 5.307 \times 10^{-12} \text{ s/cm} \sqrt{\frac{480.30 \text{ kg s}^{-2}}{\frac{71 \text{ g/mol}}{37.5 \text{ g/mol}}}}$$

1

2

ASSIGNMENT-I

N. SENTHILVEL

II MSC. CHEMISTRY

REG. NO : 2232D0019

PHYSICAL METHODS IN CHEMISTRY-II

DATE : 23/08/2023

## Calculation of $\lambda_{max}$ of Aromatic system using Woodward Fisher Rule

i) Base value for a) ArCOR - 216 nm

b) ArCHO - 250 nm

c) ArCO<sub>2</sub>H - 230 nm

d) ArCO<sub>2</sub>R - 230 nm

ii) Alkyl group of Ring Residue in Ortho And Meta position - 3nm

iii) Alkyl group of Ring Residue in Para position - 10nm.

iv) Polar groups :-

a) -OH, -OCH<sub>3</sub>, -OAlkyl in o, m position - 7 nm

b) -OH, -OCH<sub>3</sub>, -OAlkyl P position - 25 nm

c) -O (oxonium) in o position - 11 nm

d) -O (oxonium) in m position - 20 nm

e) -Cl in o, m position - 0 nm

f) -Cl in P position - 10 nm

g) -Br in o, m position - 2 nm

h) -O (oxonium) in P position - 78 nm

i) -Br in P position - 15 nm

j) -NH<sub>2</sub> in o, m position - 13 nm

k) -NH<sub>2</sub> in P position - 58 nm

l) -NHCOCH<sub>3</sub> in o, m position - 20 nm

m) -NHCOCH<sub>3</sub> in P position - 45 nm