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Office of the Principal

Slow learners Assignment sample copy

The second second	
	Reachive methylene Compound Date !
D	
	What is an active methylen Compound? The class of compounds which contain a methy
In all	(-CH3) diratly bonded to detron withdrawing Such as - COOR, -COCH, - CN to use called
	buch as - coor, - coch, - col de cours
	en Compounds. Exist CH3COCH, COO GH, H3C, COO CCH2 COO GH3 Ethyl antoactate Dictlyl compound.
	(H2(0(4,000 CH) 11-C,000(CH2(00(gH3
140	Ethyl autoactute Dictly compand.
and at .	care beto and devicences in Stight and
2	Explain the acidity of d-hydrogens in r Compound. During to the direction withdrawing Capacity of ca
	Compound.
at an ever	Owing to the drectron withdrawing taparity of
142	Shydrogen of the kide compound ionises to stabilised contanion - On acid fration Protos
1 (Cast	ration of carbon at asygen produces
male al	of mal form, while potonation at ca
	Keto form.
- Banapalan	
3)	what happens when ethyl circloauctate i
0.72	a strong base Ruch as sodium et
11 500	equation.
1111111	when ethyl audoardate is treated with
1	Such Poclium ethoxide . Poclium Pal
- Artona 4	auto acetate is obtained which reach
12 T. 1	habich to give alkyl ethyl acto act
1	HIC-R-CH-C- OGH, -GHO Not HIC- R-CH
1 st	evi ach alt Peter
	Ethyl acto archet Pactum e
	CH_ 10 CH 100 GHS + R-Br -> CH_ CO CH 4
	3
	alkyt it
1	

2) How are the following fifthe sided horrs reals Compoundy, Ally muchi and This involves the reaction of fait un by and hydrolysis Ber - 13 8 061, 61, 0'N' HE I - TH - 1 -051, 10) HI I H- RO + 6HS CONC NAOH S HE WOH + TO CH, (00) ind Synthesis of Dially and and and :-Ally faction of Podium ethyl and and it with RX and then with R'X billowed by by droly or By drady 55 1, - 1 - 0511, 611, 0 m/a + 1, 0 - 01 - A - 05 H, 13, 0 - 1 - 0, 11, 611, 0 m/a + 1, 0 - 01 - A - 05 H, Ethy) acdoapplub, follow follow fall, 10, x + 1, 0 - 1 - 1 - 1 - 0511, 5 H, 0 m/a (H, - 1 - 1 - 00) core ready , CHylaol + re- in - 100H + 1, H, OH iii) Syntheses of Surcines and The reaction of lockum ethyl actoactat with (Hy) chloroactat ((1(H)(00 (H)) tollowed by and hydrolysis gives Success wid. 1 (H3 100 (H5 - 13 C-P-1 (H - 20) GH - 20) (DOW - 20) 6nc. Na017 Uzo.

Date / /20 3) How are the following Synthesized? i) k- methyl aradl. Ethyl antoacetale reads with Unce in the preserve of phosphory chloride to gove to Methy Ura si 116450 -6 Poda -0H _ C / H N-H 243 Le methy [Uraci) Urea Stpp actouctate Synthesis of Antipyrine ! ii) Ethy) ocido actesta read with Phing/ hydrazin to give Antipyrine chy (-KHz+C=O) CHz+C-KHz - 140 Al Over de Hi-6=0 1) 1011 - N- H ardionital the michs 623-Mr. L. All Frank all all and Antipyvoure anowers (Hearly) incomplete (arx, rangh) with the and G. Ow and functions ways farming and Please Nation : oh Justicum eth. Centary dirah Juliin Ville H. C. W. O. H. - (h) i tolk 11 HOLE IH TO GH TO MAN i'll llovance

in while the structure of 'kito' and 'enol' forms dithy malonate and current actione. Ethyl actocidate offers a classical cromp Kito - end tautomorism. $H_{3}C - C - (H_{3} - C - 0) H_{5} = H_{3}C - C = CH - C - 0 GH_{5}$ 11, (200 ((14, (00 (14) Jone Marched Engrand Explain kito end tautomoresm in Ethyl acts auto of Ethyl actor actate. ally inter structural isomers are mutually inter conver ble and exist in dynamic equillibrium they are called Taukomors and the phenomenon is known Tautomorism and any the second as the Ethyl acto aretate offers a classical cample of kito -end tautomerism $H_{\mathcal{C}} = C + LH_{\mathcal{C}} + -OSH_{\mathcal{C}} = H_{\mathcal{C}} - C = CH - C - OSH_{\mathcal{C}}$ Kitohrm End form The presence of both kits and enot forms in Abyl autoantate is Supported by following raulian Reaction Supporting the Kito Farm:-D Ethyl actoactate forms a bisalphate Compound Suchium hychogen Sulphate a) Ethyl actoactate forms a carbohydrin with the He Reaction Supporting the End Form :use done The ethyl acido acidate real with Packium make form Podiam derivative and He gay is evolved. and this or indicates the presence of of group. the actor and

Date / /20 CHUOH CH, 100H + 26H, 01+ + Hoort Parcinit and keto acids 1-Pynthesis of Podium dick mactions This 1 yoholys hollowed halrds and with malonat ducarboxy lation and LOD GH CH; C-Cl= COGGH-SHONAT Na CH. HE (00GH COOGH coolt trat Loogt H CH, -H20 > LOOSH 9-11+ 100 11 d, B un laturated acids i-Synthesis Base Catalyed readron ethyl autocatate Ul. with an or kitone followed by givy hycho lysos alldingde unsaturated acids. d, B 9HOH (GIT) NUT -20. GH: C-OGH, HIC CAJ-C-H + GH off + CH3 CH= CHCOOH CH, LOOH Cont. Nuola Cootonic and. 12020

