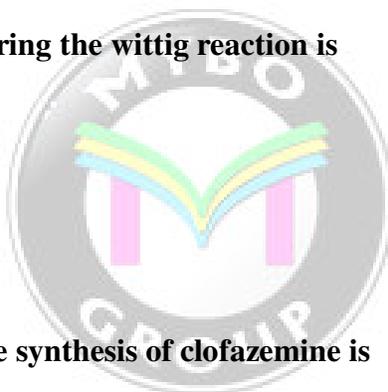


MEDICINAL CHEMISTRY

- The reaction involved in the preparation of benzanilide is popularly known as**
 - Cannizaro reaction
 - Mannich reaction
 - Pechmann reaction
 - Scholten-baumann reaction
- An antihistamine with aminoalkyl ether group is**
 - Chlorpyramine
 - Carbinoxamine
 - Cyclizine
 - Triprolidine
- The intermediate formed during the wittig reaction is**
 - IPA
 - Canrenone
 - Betaine
 - Iso-aconite
- The starting material for the synthesis of clofazimine is**
 - p-chloronitro benzene
 - L-phenyl alanine
 - N-(4-chloro phenyl)-o-phenylenediamine
 - 2,4-dichloro phenyl bromide and glycerine
- B-lactum ring is strategically fused to a 6-membered dihydro thiazine ring system in case of**
 - Cloxacillin
 - Chlorthiazide
 - Chloramphenicol
 - Cephalexin
- The brief duration of action of an ultra-short acting barbiturate is due to**
 - Slow metabolic rate in liver
 - Rapid rate of redistribution in liver



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- (C) Slow rate of excretion by kidneys
- (D) Low lipid solubility

7. The following drug is used to treat daytime sleepiness in narcolepsy patients

- (A) Modafinil
- (B) Picrotoxin
- (C) Amphetamine
- (D) All

8. The IUPAC name of Ibuprofen is

- (A) (RS)-2-(4-(2-methylpropyl)phenyl)propanoic acid
- (B) (RS)-2-(2-(2-methylpropyl)phenyl)propanoic acid
- (C) (RS)-2-(4-(4-methylpropyl)phenyl)propanoic acid
- (D) (RS)-2-(4-(2-methylpropyl)pyridyl)isopropanoic acid

9. Sulfa drugs can be estimated using the reagent

- (A) 4,4-dimethyl-(2-nitro benzoic acid)
- (B) tris—(hydroxyl methyl)amino methane sodium nitrate
- (C) N-(1- diamine naphthyl) ethylene
- (D) N-ethyl malcimide

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10. For sulfa drugs maximum activity would be found with pK_a in the range of

- (A) 6-7.5
- (B) 6.5-8
- (C) 5-6.8
- (D) 7.5-9

11. Pregnenolone, an intermediate in the synthesis of steroids, on Oppenauer oxidation gives

- (A) 9 α -flurocortisol
- (B) Triamcinolone
- (C) α -methyl prednisolone
- (D) Progesterone

12. On 3-etherification of morphine yields molecules which causes

- (A) Morphine antagonism
- (B) Decrease in analgesic activity
- (C) Increase in analgesic activity
- (D) No change in activity

13. The activity of ascorbic acid is due to the presence of

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(A) free –COOH group (B) -OH group (C) Enolic group (D) None

14. Prazepam differs in structure from diazepam by

(A) N-methyl group (B) N-cyclopropyl methyl group
(C) N-cyclopropyl group (D) N-propyl group

15. β -ionone is the starting material for the synthesis of

(A) Progesterone (B) Vit A (C) Testosterone (D) Cortisone

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NOTE:

1. Key for the above bits is available with MYBO's GPAT/ NIPER/ PGCET BOOSTER PACK-7
2. If you are interested to help the GPAT/ NIPER/ PGCET Aspirants, you can send 15 bits each with four options (correct answer underlined) to mybogroup@gmail.com We will publish on your name at www.mybogroup.com

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KEY @ MYBO's BOOSTER PACK-5

1. D	2. C	3. A	4. D	5. D
6. C	7. D	8. B	9. B	10. C
11. C	12. B	13. C	14. A	15. B