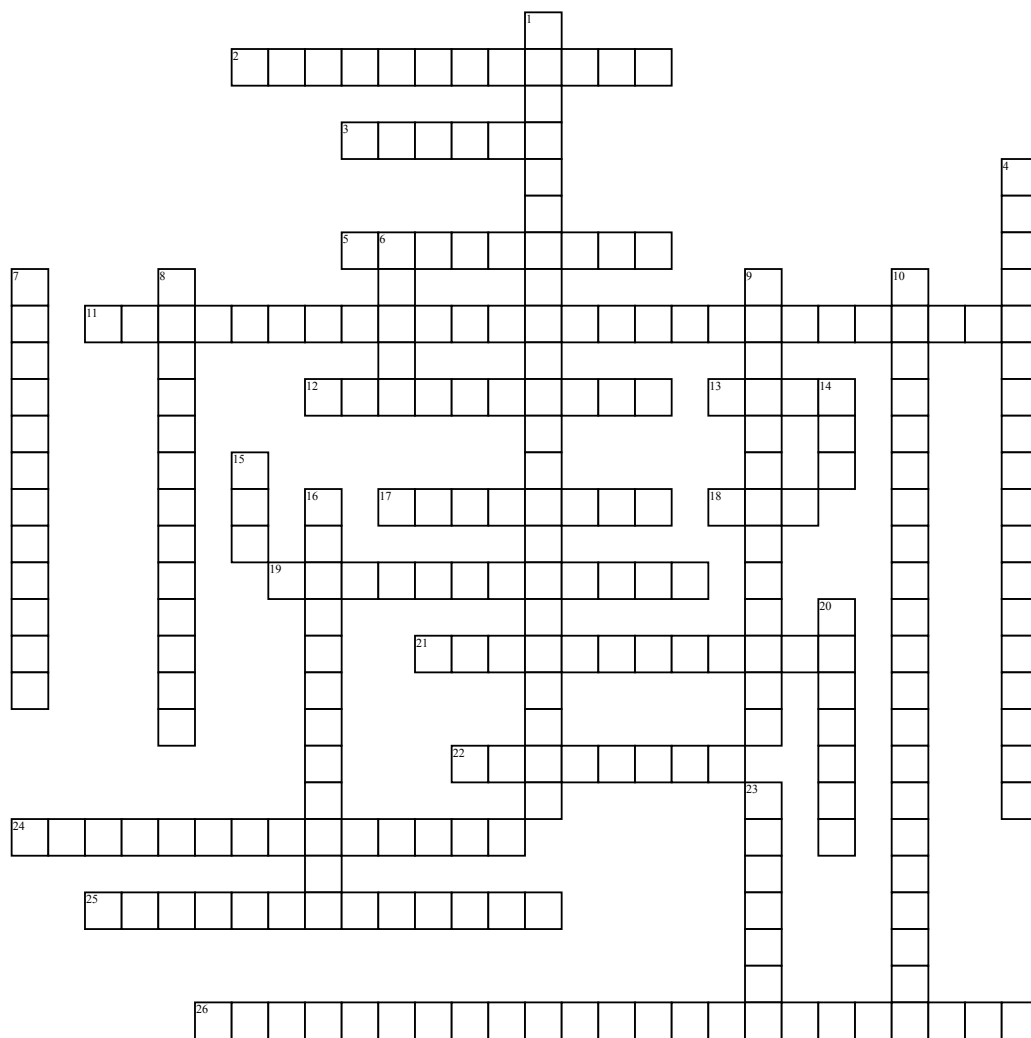


Synoptic 2020: Naproxen



Across

2. Where is Naproxen manufactured in UK?
3. Name the most common form of Naproxen?
5. In which form do compounds tend to be less soluble and easily penetrate lipophilic barriers?
11. What is Naproxen used as?
12. In which form of Naproxen does the drug dissolve more rapidly in gastric fluid?
13. Which enzyme is induced to synthesise prostaglandins as mediators of pain, Inflammation and fever?
17. Which Japanese manufacturers also mass produces Naproxen?
18. At which position is 2-methoxynaphthalene substituted by Carboxy ethyl group to give Naproxen?

19. Naproxen is Hydrophobic so is x and can pass plasma membranes..
21. What are prostaglandins responsible for when dealing with injury?
22. What functional group does Naproxen have that can be ionised to release H⁺ ions?
24. What enzyme is inhibited by NSAIDs and Naproxen?
25. Name a side effect of Naproxen common to most NSAID's
26. What is COX-1 responsible for?

Down

1. Which patients cannot use the drug? Those who suffer from....
4. Another form of Naproxen that can be dissolved in water or juice?

6. What kind of non-steroidal medication is Naproxen?
7. Which functional group in Naproxen is aromatic and has non polar C-C/C-H bonds?
8. Where is the enzyme COX-1 found in the body?
9. What does the Log P value of an Organic compound indicate?
10. How does Naproxen reduce hormones causing inflammation and pain?
14. What is the LogP of Naproxen?
15. What is the pKa of Naproxen?
16. What is pKa an indicator of?
20. What was Naproxen first marketed as?
23. Which patients should we be cautious for when prescribing Naproxen?

Word Bank

Stomach Ulcers
Lipophilicity
Effervescent Tablet
Prostaglandins synthesis
Sodium salt
Benzene rings
NSAID

Stomach lining
Carboxyl
Six
Inflammation
cyclooxygenase
AtnaPharma
Anaprox

Anti-inflammatory Painkiller
4.15
Blocking Cox-2 isoenzyme
Acid strength
COX-2
Unionised

Gastro-intestinal ulcers
Elderly
Shionogi
Tablet
2.69
lipid-soluble