

Answer on Question #41229-Chemistry-Organics Chemistry


Question:


Bond angle of 120° is not present in the compound :-


- (1) Ethylene
- (2) Benzene
- (3) Isobutylene
- (4) Methyl acetylene

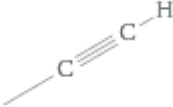
Answer:

Structural formulae of given compounds:

Ethylene $CH_2 = CH_2$ 

Benzene C_6H_6 

Isobutylene $(CH_3)C = CH_2$ 

Methyl acetylene $CH_3C \equiv CH$ 

Obviously, only methyl acetylene has not bond angle of 120° .

Answer: (4) Methyl acetylene