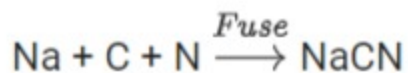


The compound formed in the positive test for nitrogen with the Lassaigne solution of an organic compound is

- A  $\text{Fe}_4[\text{Fe}(\text{CN})_6]_3$
- B  $\text{Na}_4[\text{Fe}(\text{CN})_5\text{NOS}]$
- C  $\text{Fe}(\text{CN})_3$
- D  $\text{Na}_3[\text{Fe}(\text{CN})_6]$

## Explanation

If nitrogen is present in organic compound, then sodium extract contains NaCN.



$\text{Na}_4[\text{Fe}(\text{CN})_6]$  changes to prussian blue  $\text{Fe}_4[\text{Fe}(\text{CN})_6]_3$  on reaction with  $\text{FeCl}_3$ .

