



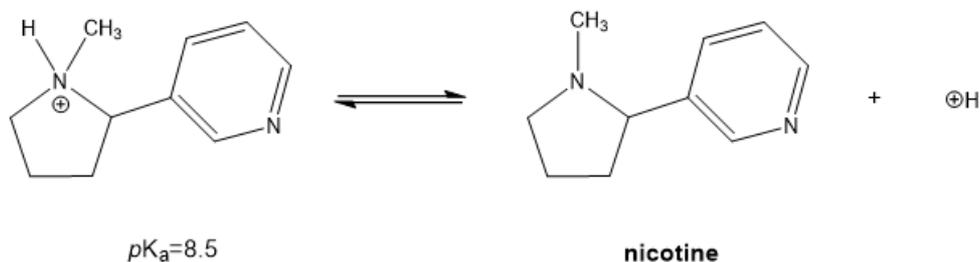
ORGOREVIEW

Question Vault

Welcome to orgoreview question vault. We have 5000 more problems for you to solve.

Share

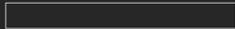
Select the statement that is **not true** about Nicotine, the pharmacology active alkaloid found in tobacco.



- (A) Nicotine is a stronger base than aniline ($pK_a = 4.6$ for the conjugate acid of aniline).
- (B) In the blood buffered at $pH = 7.4$, nicotine exists primarily in the neutral form shown on the right rather than the cationic form shown on the left.
- (C) When the pH of an aqueous solution of nicotine is adjusted to $pH = 8.5$ then the concentration of nicotine and its conjugate acid are equal.
- (D) When the pH of an aqueous solution of nicotine is adjusted to $pH = 1.0$ then the conjugate acid of nicotine is the major species present.
- (E) When the pH of an aqueous solution of nicotine is adjusted to $pH = 14.0$ then nicotine is the major species present.

VIDEO SOLUTION





How to Reach Us

Todd's Test Prep
2255 Glades Road
Suite 324A
Boca Raton, Florida 33431
E-mail: help@orgoreview.com

Links

[Contact](#)

[Terms](#)

[Privacy Policy](#)

follow us



Copyright 2026. All Rights Reserved.