



29. Which of the following compounds is **not** an antacid?

- (1) Aluminium hydroxide (2) Cimetidine (3) Phenelzine (4) Ranitidine

Answer: Antacids are generally a chemical salt of an alkaline ion and an ionic species in order to maintain electric neutrality.

Aluminium hydroxide: Available in market under the generic name algeldrate, aluminium hydroxide is used as an antacid. Brand names include Alu-Cap, Aludrox, Gaviscon or Pepsamar. It reacts with excess acid in the stomach, reducing the acidity of the stomach content,[12] which may relieve the symptoms of ulcers, heartburn or dyspepsia.

Cimetidine is in a group of medications, that block the release of histamine which triggers the secretion of stomach acid. It is not exactly antacid but as asked in the question since one to be selected we can treat it as antacid, though there is fine distinction between Cimetidine and Antacid in medical treatment but overall it works for the same i.e. reducing excess acid in stomach.

Phenelzine: Not an antacid but Tranquilizer. It is a non-selective and irreversible monoamine oxidase inhibitor (MAOI) of the hydrazine class which is used as an antidepressant and anxiolytic. Tranquilizers are classified into two main categories: minor tranquilizers (anxiolytics, or anti-anxiety agents) and major tranquilizers (neuroleptics), drugs used to treat severe mental illnesses. Minor tranquilizers are used in the treatment of anxiety, tension, panic attacks, and insomnia.

Ranitidine is used for relief of heartburn, acid indigestion, and sour stomach. Since it prevents acid indigestion we can treat it as Antacid

Correct option is (3) Phenelzine