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## Biguanide Antidiabetic Agent

National Cancer Institute

## Source

National Cancer Institute. Biguanide Antidiabetic Agent. NCI Thesaurus. Code C98234.

Any antidiabetic agent with the biguanide base structure or phenformin derivatives with antihyperglycemic activity. Biguanide antidiabetic agents activate AMP-activated protein kinase (AMPK) resulting in decreased glucose production in the liver, increased peripheral glucose uptake and improved utilization of glucose. Biguanide-based antidiabetic agents do not cause hypoglycemia. In addition, biguanide antidiabetics decrease absorption of glucose from the gastrointestinal tract.

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