

[Open Peer Review on Qeios](#)

# Oteracil

National Cancer Institute

## Source

National Cancer Institute. *Oteracil*. NCI Thesaurus. Code C76917.

A modulator of 5-fluorouracil (5-FU) activity and inhibitor of the enzyme orotate phosphoribosyl-transferase (OPRT), with chemoprotective activity. Oteracil preferentially localizes in the gastrointestinal (GI) tract where it inhibits OPRT, thereby decreasing metabolism of 5-FU into its active metabolite 5-fluorouridine-5'-monophosphate (FUMP). This decreases activated 5-FU-related gastrointestinal toxicity.