

Open Peer Review on Qeios

Thioguanine

National Cancer Institute

Source

National Cancer Institute. <u>Thioguanine</u>. NCI Thesaurus. Code C876.

A synthetic guanosine analogue antimetabolite. Phosphorylated by hypoxanthine-guanine phosphoribosyltransferase, thioguanine incorporates into DNA and RNA, resulting in inhibition of DNA and RNA syntheses and cell death. This agent also inhibits glutamine-5-phosphoribosylpyrophosphate amidotransferase, thereby inhibiting purine synthesis. (NCI04)

Qeios ID: SAZPRI · https://doi.org/10.32388/SAZPRI