

NUDT15 and Medications

Does it matter for me?

The *NUDT15* gene influences how quickly the body processes certain **medications used in treating cancer or autoimmune conditions**. For certain people, these medications can cause serious and sometimes life-threatening reactions.

If you have been diagnosed with cancer or an autoimmune condition and if your healthcare provider is considering any of the medications associated with your *NUDT15* result, please discuss your results with them before starting treatment. You can print out your test result and this guide to bring to your appointment.

Healthcare providers consider many factors when prescribing a medication including health history, other medications you are taking, lifestyle factors, and genetics. **Do not change your medication habits without talking to your prescribing healthcare provider.**

Genetic Result	Which medications can be impacted?
Normal metabolizer	No impact on medication decisions
Intermediate metabolizer	Cancer treatment: Mercaptopurine (Purinethol, Purixan), Thioguanine (Tabloid) Infection and immune medications: Azathioprine (Imuran)
Poor metabolizer	

This guide is an informational resource. Medications listed here could be impacted by specific genetic results, according to FDA drug labels, or the Clinical Pharmacogenetics Implementation Consortium (CPIC)

- www.fda.gov/medical-devices/precision-medicine/table-pharmacogenetic-associations
- cpicpgx.org/guidelines