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# SR-T100 Gel

National Cancer Institute

## Source

National Cancer Institute. *SR-T100 Gel*. NCI Thesaurus. Code C99460.

A cutaneous gel preparation containing an extract from *Solanum incanum* with potential antineoplastic activity. SR-T 100 gel contains high amounts of the steroidal alkaloid glycoside solamargine. Solamargine is able to upregulate expression of tumor necrosis factor receptors 1 (TNFR1) and 6 (TNFRSF6 or Fas), and their signaling adaptors TNFR1-associated death domain, and Fas-associated death domain. In addition, this agent is able to upregulate expression of apoptosis promoter Bax, and suppress the expression of the anti-apoptotic proteins Bcl-xL and Bcl-2. Altogether, this induces apoptosis in tumor cells and may lead to an inhibition of tumor cell proliferation.