



# Fingolimod

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# Fingolomid (Gilenya)

- Immunosuppressive drug derived from fungus metabolite
- Originally proposed as an anti-rejection medication post-transplantation
- Acts as a superagonist to sphingosine-1-phosphate receptors on the surface of thymocytes and lymphocytes, reducing the overall number of circulating lymphocytes available to mount an autoimmune reaction to the myelin sheath surrounding axons in MS.

# Fingolimod in MS Treatment

- First oral drug approved to treat MS
- Approved Sep 2010
- Indicated for reducing relapses and delaying disability progression in patients with relapsing forms of multiple sclerosis
- AE:
  - most common side effects: head colds, cough, headache, diarrhea, back pain, and fatigue.
  - Serious side effects: potentially fatal infections, bradycardia, skin cancer and haemorrhaging focal encephalitis