

[Open Peer Review on Qeios](#)

Dexpanthenol

National Cancer Institute

Source

National Cancer Institute. *Dexpanthenol*. NCI Thesaurus. Code C47481.

An alcoholic analogue of D-pantothenic acid and cholinergic agent. Dexpanthenol acts as a precursor of coenzyme A necessary for acetylation reactions and is involved in the synthesis of acetylcholine. Although the exact mechanism of the actions of dexpanthenol is unclear, it may enhance the effect of acetylcholine. Dexpanthenol acts on the gastrointestinal tract and increases lower intestinal motility. It is also applied topically to the skin to relieve itching and to promote healing.