

[Open Peer Review on Qeios](#)

# Diethylhomospermine

National Cancer Institute

## Source

National Cancer Institute. *Diethylhomospermine*. NCI Thesaurus. Code C2412.

A polyamine analogue with antiproliferative and potential anti-diarrheal activities.

Diethylhomospermine (DEHSPM) antagonizes polyamine activity via NMDA receptor glutamine binding site, thereby modulating inotropic stasis and reducing stool volume (anti-diarrhea). However, due to the toxic effects from metabolites of DEHSP, other tetramine derivatives with less toxicity have been developed.