

[Open Peer Review on Qeios](#)

# Xaliproden Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Xaliproden Hydrochloride*. NCI Thesaurus. Code C61328.

The hydrochloride salt of xaliproden, an orally-active, synthetic, non-peptidic 5-hydroxytryptamine (5-HT) 1A receptor agonist with neurotrophic and neuroprotective activities. Although its mechanism of action is not fully understood, xaliproden appears to either mimic the effects of neurotrophins or stimulate their synthesis, thereby stimulating neuronal cell differentiation and proliferation and inhibiting neuronal cell death. The neuroprotective effect of this agent involves the activation of MAP kinase pathways via stimulation of the 5-HT 1A receptor.