

---

## Toosendanin/OVA

Catalog Number: bs-20978PA

AA Seq: Coupling protein

Activity: No

Form: Liquid

Storage: 0.01M PBS(pH7.4).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:**

1. Toosendanin (TSN) was used as a digestive tract-parasiticide and agricultural insecticide in ancient China;TSN is a selective presynaptic blocker and an effective antitubulismic agent, by interfering with neurotransmitter release through an initial facilitation followed by a subsequent depression.
2. Toosendanin has antifeedant and growth inhibitory effects, it can significantly deter feeding of 2nd- and 4th-instar larvae in diet choice and leaf disc choice bioassays, resp.
3. Toosendanin can induces outgrowth of neuronal processes and apoptosis in PC12 cells.
4. Toosendanin to be a novel L-type Ca<sup>2+</sup> channel agonist, which possesses a distinct binding site from BayK8644.
5. Toosendanin has effects on the growth, cell cycle arrest, induction of apoptosis and the involved signaling pathway in human promyelocytic leukemia HL-60 cells.