Kawain is a kavalactone originally found in *Piper methysticum* (kava plant). Kawain exhibits neuroprotective, hypnotic, sedative, anxiolytic, antiepileptic/anticonvulsant, antithrombotic, and antifungal activities. Kawain activates Nrf2 in neurons and astroglia, protecting against amyloid-β (Aβ)-induced neurotoxicity. This compound displays antimicrobial efficacy against species of *Fusarium*, *Trichoderma*, and *Colletotrichum*. In animal models, Kawain decreases sleep latency and time awake and increases non-REM sleep time and delta activity during REM sleep. Additionally, kawain binds receptor site 2 and inhibits voltage-gated Na+ channels. Kawain also inhibits L-type voltage-gated Ca2+ channels. This compound also inhibits arachidonic acid-induced platelet aggregation and COX expression.

**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.