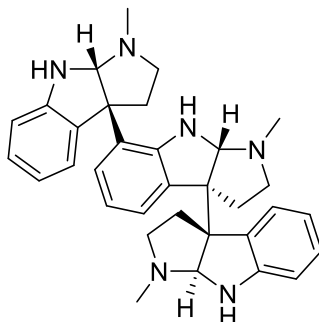


## Hodgkinsine

Code No.: **BIA-H1948**

Pack sizes: **1 mg, 5 mg**



Synonyms : (-)-Hodgkinsine

### Specifications

CAS #	: 18210-71-4
Molecular Formula	: C <sub>33</sub> H <sub>38</sub> N <sub>6</sub>
Molecular Weight	: 518.7
Source	: <i>Hodgkinsonia frutescens</i>
Appearance	: Tan Solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

### Application Notes

The hodgkinsines are indole alkaloids from *Hodgkinsonia frutescens* (family Rubiaceae) containing three linked tryptamine units. Hodgkinsine was first reported by Ritchie and co-workers, University of Sydney, in 1961. Hodgkinsine shows potent dose-dependent analgesic activity against capsaicin-induced pain, with low affinity for mu opioid receptors. Hodgkinsine has a broad bioprofile with potent antimicrobial activity, antifungal and cytotoxic activity. Hodgkinsine has substantial antiviral activity against DNA viruses and is a platelet aggregation inhibitor.

### References

1. Hodgkinsine, the alkaloid of *Hodgkinsonia frutescens*. Anet E.F.L.J. et al. Aust J Chem. 1961, 14, 173.
2. Antinociceptive profile of hodgkinsine. Amado T.A. et al. Planta Med. 2000, 66, 770.
3. Biological activities of pyrrolidinoindoline alkaloids from *Calycodendron milnei*. Saad H.E. et al. Planta Med. 1995, 61, 313.
4. Synthesis and antinociceptive activity of chimonanthines and pyrrolidinoindoline-type alkaloids. Verotta L. et al. Bioorg Med Chem. 2002, 10, 2133.