

MELATONIN

Research Areas

Circadian timing, sleep-wake signalling, and melatonin-receptor biology.

Scientific Explanation

Melatonin is an endogenous hormone, not a peptide. Research examines MT1 / MT2 receptor signalling and circadian timing.

Research Focus

- MT1 / MT2 receptor pharmacology and signalling
- Circadian phase and light-dark timing
- Chemical identity, stability, and assay methods

Technical Information

Product: Melatonin

Reference identity: CAS 73-31-4; formula C₁₃H₁₆N₂O₂; molecular weight 232.28 g/mol. Confirm supplied form, assay, purity, and lot details against the current COA.

Verification note: Reference identifiers do not verify a supplied lot; confirm identity and specifications against the current batch COA.

Research Use Only

For laboratory research only. Not for human or veterinary use. This sheet is not a recommendation for use or a claim of clinical efficacy.

Canadian Product Note

Melatonin is a hormone, not a peptide. Human-use products in Canada must meet applicable regulatory requirements; this information sheet does not authorize human use.