Hyperforin Dicyclohexylammonium

Hyperforin DCHA is a stable salt form of hyperforin, a compound found in *Hypericum perforatum* (St. John’s Wort). Hyperforin DCHA exhibits anticancer, anti-inflammatory, and antidepressant activities. In chronic myelogenous leukemia (CML) cells, hyperforin DCHA disrupts the mitochondrial membrane potential, increases release of cytochrome c, activates caspases 3, 8, and 9, and induces cleavage of poly(ADP)-ribose polymerase (PARP), resulting in G1 phase cell cycle arrest and apoptosis. In astrocytoma cells, hyperforin DCHA prevents LPS- and substance P-induced release of IL-6. In animal models, this compound prevents croton oil-induced edema. Additionally, hyperforin DCHA decreases immobility time in animals undergoing the forced swim test.

References


