Apyramide

Cat. No.: HY-U00046
CAS No.: 68483-33-0
Molecular Formula: C₂₇H₂₃ClN₂O₅
Molecular Weight: 490.93
Target: COX
Pathway: Immunology/Inflammation
Storage:
- Powder: -20°C, 3 years; 4°C, 2 years
- In solvent: -80°C, 6 months; -20°C, 1 month

BIOLOGICAL ACTIVITY

Description
Apyramide is an anti-inflammatory agent (NSAID) and behaves as a prodrug of indomethacin (HY-14397)\(^1\). Indomethacin is a potent, blood-brain permeable and nonselective inhibitor of COX1 and COX2.

In Vivo
Apyramide is far less toxic than indomethacin in rats and mice by the oral or the i.p. route. It exhibits anti-inflammatory activity on carrageenan-induced paw oedema, cotton pellet granuloma and adjuvant arthritis, as well as analgesic and antipyretic activities\(^1\). MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES
