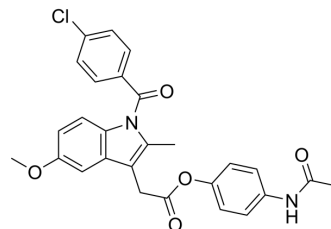


## Apyramide

Cat. No.:	HY-U00046		
CAS No.:	68483-33-0		
Molecular Formula:	C <sub>27</sub> H <sub>23</sub> ClN <sub>2</sub> O <sub>5</sub>		
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

<b>Description</b>	Apyramide is an anti-inflammatory agent (NSAID) and behaves as a proagent of indomethacin (HY-14397). Indomethacin is a potent, blood-brain permeable and nonselective inhibitor of COX1 and COX2.
<b>In Vivo</b>	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 carrageenin-induced paw oedema, cotton pellet granuloma and adjuvant arthritis, as well as analgesic and antipyretic activities <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Sauvaire D, et al. Pharmacological activity and toxicity of apyramide: comparison with non-steroidal anti-inflammatory agents. *Drugs Exp Clin Res.* 1987;13(5):247-52.
- [2]. M Cociglio, et al. Pharmacokinetics of an indomethacin pro-drug: apyramide after intravenous administration in dog. *Eur J Drug Metab Pharmacokinet.* Oct-Dec 1991;16(4):275-80.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA