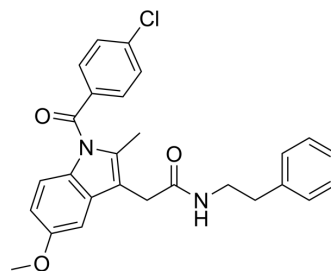


LM-4108

Cat. No.:	HY-123639
CAS No.:	261766-32-9
Molecular Formula:	C ₂₇ H ₂₅ ClN ₂ O ₃
Molecular Weight:	460.95
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LM-4108 (N-(2-Phenylethyl)-indomethacin amide) is a selective and orally active COX-2 inhibitor with an IC ₅₀ of 0.06 μM for purified human COX-2. LM-4108 shows anti-inflammatory activity and may be effective in prevention of cancer. Half-lives for the disappearance of 10 μM LM-4108 in rat, human, and mouse liver microsomes were 11 min, 21 min, and 51 min, respectively ^[1] .	
IC₅₀ & Target	Human COX-2 60 nM (IC ₅₀)	Ovine COX-1 >66 μM (IC ₅₀)

REFERENCES

- [1]. Rory P Rimmel, et al. Studies on the metabolism of the novel, selective cyclooxygenase-2 inhibitor indomethacin phenethylamide in rat, mouse, and human liver microsomes: identification of active metabolites. *Drug Metab Dispos.* 2004 Jan;32(1):113-22.
- [2]. Rimmel R P, et al. Studies on the metabolism of the novel, selective cyclooxygenase-2 inhibitor indomethacin phenethylamide in rat, mouse, and human liver microsomes: identification of active metabolites. *Drug metabolism and disposition*, 2004, 32(1): 113-122.

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