



Product Information

Product ID V0245

CAS No. 181695-72-7

Chemical Name

Synonym

Formula C₁₆H₁₄N₂O₃S

Formula Wt. 314.36

Melting Point 162-164°C

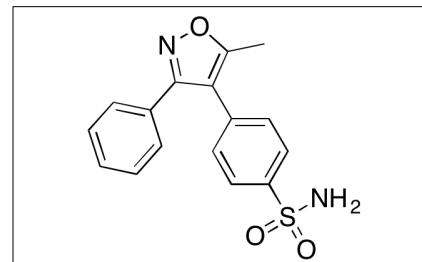
Purity ≥98%

Solubility Water 0.5 mg/ml

Store Temp Ambient

Ship Temp Ambient

Description Valdecoxib is a COX inhibitor specific for COX-2; it also inhibits carbonic anhydrase. Valdecoxib is a non-steroidal anti-inflammatory drug (NSAID) that exhibits anti-inflammatory and analgesic activities. In addition to its mediation of inflammatory signaling, valdecoxib also activates cannabinoid 1 (CB1) receptors in vivo, modulating glutamate signaling and GABA release. Valdecoxib has been removed from clinical use due to increased risk of thrombotic effects.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V0245	5 mg	\$97.30
V0245	10 mg	\$180.00
V0245	25 mg	\$374.60

References Atukorala I, Hunter DJ. Valdecoxib : the rise and fall of a COX-2 inhibitor. Expert Opin Pharmacother. 2013 Jun;14(8):1077-86. PMID: 23517091.

Schröder H, Höllt V, Becker A. Parecoxib and its metabolite valdecoxib directly interact with cannabinoid binding sites in CB1-expressing HEK 293 cells and rat brain tissue. Neurochem Int. 2011 Jan;58(1):9-13. PMID: 21073910.

Roumie CL, Choma NN, Kaltenbach L, et al. Non-aspirin NSAIDs, cyclooxygenase-2 inhibitors and risk for cardiovascular events-stroke, acute myocardial infarction, and death from coronary heart disease. Pharmacoepidemiol Drug Saf. 2009 Nov;18(11):1053-63. PMID: 19637402.

Benetello V, Sakamoto FC, Giglio FP, et al. The selective and non-selective cyclooxygenase inhibitors valdecoxib and piroxicam induce the same postoperative analgesia and control of trismus and swelling after lower third molar removal. Braz J Med Biol Res. 2007 Aug;40(8):1133-40. PMID: 17665051.

Dogné JM, Thiry A, Pratico D, et al. Dual carbonic anhydrase--cyclooxygenase-2 inhibitors. Curr Top Med Chem. 2007;7(9):885-91. PMID: 17504133.

Walker MC, Kurumbail RG, Kiefer JR, et al. A three-step kinetic mechanism for selective inhibition of cyclooxygenase-2 by diarylheterocyclic inhibitors. Biochem J. 2001 Aug 1;357(Pt 3):709-18. PMID: 11463341.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.