

The channel extend approximately 25 Å into globular catalytic domain and about 8 Å wide. A single amino acid difference in position 523 (isoleucine in COX-1, Valine in COX2) make a crucial difference between COX-1 and COX-2 which make the channel wider in COX-2 than in COX-1. This may play an important role in selectivity of COX-2 inhibitors. (Chandraskharan et al 2004).