Cyclooxygenase (COX)

Cat. No. COX-38 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	COX (Cyclooxygenase): catalyzes the conversion of C=C bonds to epoxide.
Applications	1. Normally, haloperoxidase reaction system includes: substrate, buffer, enzyme, H2O2 and halogen ion. Styrene monooxygenase reaction system includes substrate, buffer, enzyme, coenzyme and coenzyme regeneration system 2. COX should be added last into reaction system, after the pH and temperature been adjusted to the reaction condition.
Notes	Never contact with extreme conditions such as: high temperature, high/low pH and high concentration organic solvent.
Storage	Keep 2 years below -20 centigrade.
Advantages	1. High substrate specificity. 2. Strong chiral selectivity. 3. High conversion. 4. Less by-products. 5. Mild reaction conditions. 6. Environmentally friendly.

GENE INFORMATION

Official Symbol	COX
Synonyms	Cyclooxygenase; COX

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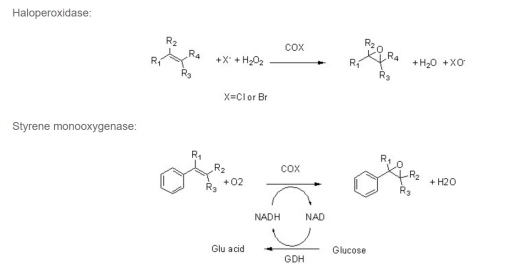
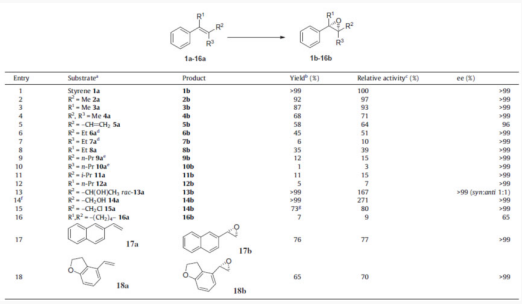
Catalytic reaction type	
Application Examples	 Synthesis of epoxy styrene derivatives from styrene derivatives

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