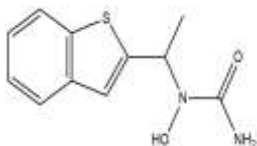


PRODUCT:

Zileuton

ALTERNATE NAME: *N*-(1-Benzo[*b*]thien-2-ylethyl)-*N*-hydroxyurea**CATALOG #:** B2314-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₁H₁₂N₂O₂S**MOLECULAR WEIGHT:** 236.29**CAS NUMBER:** 111406-87-2**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Zileuton is a potent and reversible 5-lipoxygenase (5-LOX) inhibitor that inhibits LTB₄ synthesis (IC₅₀ values are 0.56, 2.3 and 2.6 μM in dog, rat and human blood respectively).**REFERENCE:** Lu, P., *et al.* (2003). *Drug Metab. Dispos.* **31**, 1352-1360.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**N-Acetyl-4-benzoquinone Imine (**B2306**)Baicalein (**B2309**)L-Buthionine-(S,R)-Sulfoximine (**B2305**)Coenzyme Q10 (**B2310**)Erastin (**2231**)EZSolution™ Erastin (**B1502**)Ferrostatin-1 (**2230**)FIN56 (**B2308**)Glutathione ethyl ester (**B2307**)Glutathione Peroxidase Colorimetric Assay Kit (**K762**)Idebenone (**B2311**)Liproxstatin-1 (**B2312**)NDGA (**2581**)ML-162 (**B2304**)PD-146176 (**B2313**)RSL3 (**B2303**)Zileuton (**B2314**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**