Ilaprazole sodium

Catalog Number: T1756
CAS Number: 172152-50-0
Molecular Formula: C19H17N4O2SNa
Molecular Weight: 388.44
Appearance: Solid

Description: Ilaprazole, a substituted benzimidazole prodrug, is a selective and irreversible proton pump inhibitor. A weak base, Ilaprazole accumulates in the acidic environment of the secretory canaliculus of the gastric parietal cell where it is converted to an active sulfenamide form that binds to cysteine sulfhydryl groups on the luminal aspect of the proton pump hydrogen-potassium adenosine triphosphatase (H+/K+ ATPase), thereby inhibiting the pump's activity and the parietal cell secretion of H+ ions into the gastric lumen, the final step in gastric acid production.

Storage: 2 years -80°C in solvent; 3 years -20°C powder;

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<th>Solubility</th>
<th>DMSO</th>
<th>71 mg/mL (182.8 mM)</th>
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<td>( &lt; 1 mg/mL refers to the product slightly soluble or insoluble )</td>
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Receptor (IC50): Proton pump

Reference

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Information for product storage and handling is indicated on the product datasheet. Targetmol products are stable for long term under the recommended storage conditions. Our products may be shipped under different conditions as many of them are stable in the short-term at higher or even room temperatures. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, please follow the storage recommendations on the product data sheet.