

Product Name : Pantoprazole sodium hydrate

Synonyms : SKF-96022 sodium hydrate

Cat No. : M12511

CAS Number : 164579-32-2

Molecular Formula : C₁₆H₁₅F₂N₃O₄S . 3/2H₂O . Na

Formula Weight : 433.38

Chemical Name : 1H-Benzimidazole, 6-(difluoromethoxy)-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl]sulfinyl]-, sodium salt, hydrate (2:2:3)

Description : A proton pump inhibitor that inhibits gastric acid secretion; works on gastric parietal cells to irreversibly inhibit (H⁺/K⁺)-ATPase function and suppress the production of gastric acid; inhibits autophagy and increases the toxicity of docetaxel in vitro and in vivo. Ulcer Approved

Pathway : Membrane Transporter/Ion Channel

Target : Proton Pump

Receptor : Potassium-transportingATPase;Protonpump

Solubility : 10 mM in H₂O

SMILES : O.O.O.[Na+].[Na+].COC1=C(OC)C(CS(=O)C2=NC3=C([N-]2)C=CC(OC(F)F)=C3)=NC=C1.COC1=C(OC)C(CS(=O)C2=NC3=C([N-]2)C=CC(OC(F)F)=C3)=NC=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Tan Q, et al. Br J Cancer. 2015 Mar 3;112(5):832-40. | 2. Feng S, et al. Oncol Rep. 2016 Dec;36(6):3207-3214. | 3. Zeng X, et al. Oncotarget. 2016 Apr 19;7(16):22460-73.

