

Product Data Sheet

Product Name: 5-Hydroxylansoprazole

Cat. No.: GC60530

Chemical Properties

Cas. No. 131926-98-2

SMILES OC1=CC=C2N=C(NC2=C1)S(CC3=NC=CC(OCC(F)(F)F)=C3C)=O

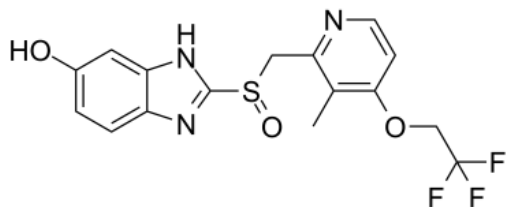
Formula $C_{16}H_{14}F_3N_3O_3S$ M.Wt 385.36

Solubility DMSO : 125 mg/mL (324.37 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

5-Hydroxylansoprazole (AG1908) is an active metabolite of Lansoprazole in plasma. Lansoprazole is metabolized by CYP2C19 forming 5-Hydroxylansoprazole. Lansoprazole is a gastric proton-pump inhibitor and is effective in the treatment of various peptic diseases[1][2].

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Xu HR, et al. The effect of CYP2C19 activity on pharmacokinetics of lansoprazole and its active metabolites in healthy subjects. Pharm Biol. 2010 Aug;48(8):947-52. doi: 10.3109/13880200903300220. [2]. Katarína Kostolanská, et al. Determination of lansoprazole, 5-hydroxylansoprazole, and lansoprazole sulfone in human plasma for CYP2C19 and CYP3A4 phenotyping. Chemical Papers. volume 73, pages2955-2963(2019).

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