

Product Data Sheet

Product Name: Lansoprazole N-oxide

Cat. No.: GC49640

Chemical Properties

Cas. No. 213476-12-1

SMILES O=S(C1=NC2=CC=CC=C2N1)CC3=C(C)C(OCC(F)(F)F)=CC=[N]3=O

Formula C₁₆H₁₄F₃N₃O₃S

M.Wt 385.4

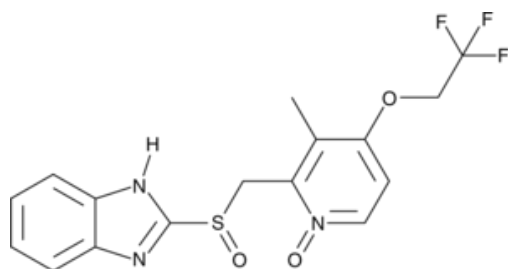
Solubility DMSO: soluble

Storage -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

Lansoprazole N-oxide is a potential impurity found in bulk preparations of the proton pump inhibitor lansoprazole.¹ It is a degradation product formed under acid or base stress.

1. Rao, P.V., Kumar, M.N., and Kumar, M.R. A novel, validated stability-indicating UPLC method for the estimation of lansoprazole and its impurities in bulk drug and pharmaceutical dosage forms. *Sci. Pharm.* 81(1)183-193(2013)

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

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