
Product Data Sheet

Product Name: Lansoprazole Sulfide D4

Cat. No.: GC60975

Chemical Properties

Cas. No. 1216682-38-0

SMILES [2H]C1=C2C(NC(SCC3=NC=CC(OCC(F)(F)F)=C3C)=N2)=C(C([2H])=C1[2H])[2H]Formula C₁₆H₁₀D₄F₃N₃OS M.Wt 357.39

Solubility 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**

Lansoprazole Sulfide D4 is a deuterium labeled Lansoprazole Sulfide. Lansoprazole Sulfide is an active metabolite of the proton pump inhibitor Lansoprazole. Lansoprazole Sulfide is an orally active anti-TB (Mycobacterium tuberculosis) agent with IC₅₀ values of 0.59 μM intracellularly and 0.46 μM in broth[1].

[1]. Mdanda S, et al. Lansoprazole-sulfide, pharmacokinetics of this promising anti-tuberculous agent. Biomed Chromatogr. 2017 Dec;31(12).

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

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