

Product Data Sheet

Product Name: 4-Chloro-N-methylpicolinamide-d₃

Cat. No.: GC81822

Chemical Properties

Cas. No. 1189858-48-7

Formula C₇H₄D₃ClN₂O M.Wt 173.61

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

4-Chloro-N-methylpicolinamide -d₃ is the deuterated-labeled 4-Chloro-N-methylpicolinamide. 4-Chloro-N-methylpicolinamide (Compound 3) is a BAZ2A bromodomain inhibitor with a K_d of >500 μM. 4-Chloro-N-methylpicolinamide forms a weak hydrogen bond with the carbonyl oxygen of Pro1817. 4-Chloro-N-methylpicolinamide can be used in the research of invasive prostate cancer [1].

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of

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

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drugs.

References:

[1]. Spiliotopoulos D, et al. Discovery of BAZ2A bromodomain ligands. Eur J Med Chem. 2017 Oct 20;139:564-572.

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