Product Data Sheet

Product Name: 4-Chloro-N-methylpicolinamide-d_3
Cat. No.: GC81822

Chemical Properties

Cas. No.	1189858-48-7		
Formula	$C_7H_4D_3ClN_2O$	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 -d 3 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

drugs.

References:

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