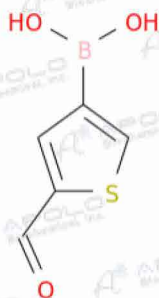


CERTIFICATE OF ANALYSIS

Product Name: 2-Formylthiophene-4-boronic acid

Chemical Structure:



Lot Number: AGN226845501
CAT Number: APL-CCPF-0175592
CAS Registry Number: 175592-59-3
Manufacture Date: 04/2022
Expiry Date: 04/2024
Molecular Formula: C₅H₅BO₃S
Molecular Weight: 155.9700
Storage: -20°C

Analysis Data

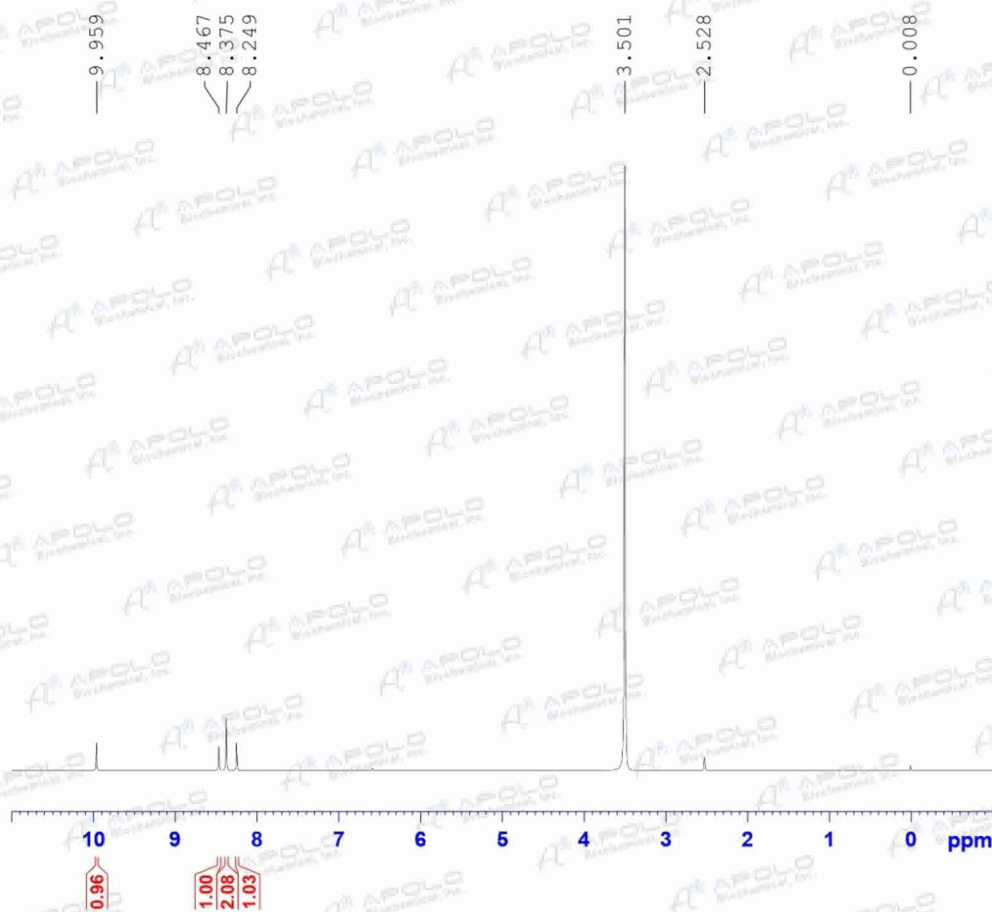
Item	Specification	Results
Appearance	Solid	Conforms
¹ H NMR Spectrum	Consistent with the structure	Conforms
Purity	≥ 98 %	98 %

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque 05/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO

GZ01-20984-1 HNMR in DMSO+H2O



Current Data Parameters
NAME GZ01-20984-1
EXPNO 17
PROCNO 1

F2 - Acquisition Parameters
Date_ 20181205
Time 15.58
INSTRUM WNMRI-400MHz
PULPROG zgpg30
TD 38860
SOLVENT DMSO
NS 32
DS 0
SWH 9715.022 Hz
AQ 1.9999954 sec
RG 46.1
DW 51.467 usec
DE 30.00 usec
TE 292.5 K
NUC1 1H
PL1 120.00 dB
SFO1 399.8381159 MHz

F2 - Processing parameters
SI 131072
SF 399.8361343 MHz
WDW EM
SSB 0
LB 0.50 Hz
GB 0.1
PC 1.00