

Certificate of Analysis

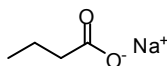
Axon Catalogue ID: 2209 **Batch Number:** 1

Product Name: Sodium butyrate

Alternative Name(s): Butanoic acid sodium salt

IUPAC Name: Sodium butyrate

Structure:



Amount:

CAS number: 156-54-7

Batch Molecular Formula: C₄H₇NaO₂

Batch MW: 110.09

Appearance: White solid

Observed mp: 252 - 254 °C

TLC (R_f): N.A. N.A.

Chemical Purity: ND

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec:

Microanalysis: Calculated: C 43.64 , H 6.41 , N 0.00 Found: C 43.32 , H 6.12 , N <0.10

Storage Conditions: Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	11.0	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	10.0	90.8	
	EtOH			Not Tested

Remarks:

QC Date: 25-11-2013

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only