



## Certificate of Analysis

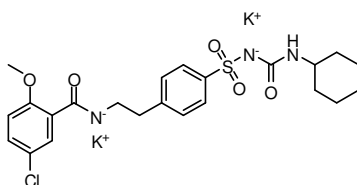
**Axon Catalogue ID:** 2064 **Batch Number:** 1

**Product Name:** Glybenclamide potassium salt

**Alternative Name(s):** Glyburide potassium salt

**IUPAC Name:** 5-Chloro-N-[2-[4-(cyclohexylcarbamoylsulfamoyl)phenyl]ethyl]-2-methoxybenzamide dipotassium

**Structure:**



**Amount:**

**CAS number(s):** 10238-21-8 (parent), 23047-14-5 (K (1:2))

**Molecular Formula:** C<sub>23</sub>H<sub>26</sub>ClN<sub>3</sub>O<sub>5</sub>S.K<sub>2</sub> **Molecular Weight:** 570.18

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**Appearance:** White solid **Observed mp:** 252 - 253 °C

**TLC (R<sub>f</sub>):** 0.74 DCM/MeOH (9:1)

**Chemical Purity:** 99.9%

**Optical Purity (ee):** N.A.

**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 48.45, H 4.60, N 7.37; Found: C 48.42, H 4.62, N 7.25

**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	3.0	5.3	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	18.9	33.1	Sonication at 40°C enhances solubility
	EtOH			Not Tested

**Remarks:**

**QC Date:** 19-8-2021

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**