



CERTIFICATE OF ANALYSIS

PRODUCT: **Glibenclamide,**
[Glyburide; 5-Chloro-N-[4-(cyclohexylureidosulfonyl)phenethyl]-2-methoxybenzamide; N-p-[2-(5-Chloro-2-methoxybenzamido)ethyl]benzenesulfonyl-N'-cyclohexylurea]
C₂₃H₂₈ClN₃O₅S, M.W. 494.0, CAS# [10238-21-8]

PRODUCT NUMBER: G-1185

LOT NUMBER: C1340

APPEARANCE: White to off-white solid

SOLUBILITY: Soluble in DMSO (100 mM) or EtOH (5 mM)

PURITY (HPLC): ≥ 99%

PRODUCT DESCRIPTION: Cell-permeable. An anti-diabetic agent. ATP-sensitive potassium channel (K_{ATP}) blocker. Inhibits K_{ATP} currents in the pancreatic beta cells causing an increase in intracellular Ca²⁺ and insulin secretion.

STORAGE & HANDLING: Store at desiccated +4°C. Stock solutions are stable for up to 3 months when stored at -20°C.
PROTECT FROM AIR & LIGHT!

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified:

A handwritten signature in blue ink, appearing to be 'A. G. Scientific'.