1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C₁₉H₁₈ClN₃O₄S
- **Batch Molecular Weight:** 419.88
- **Physical Appearance:** Beige solid
- **Solubility:** DMSO to 100 mM, ethanol to 25 mM
- **Storage:** Store at +4°C

2. ANALYTICAL DATA

- **TLC:** Rₜ = 0.5 (Chloroform:Methanol [9:1])
- **HPLC:** Shows 99.3% purity
- **¹H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon: Theoretical 54.35, Found 54.15
  - Hydrogen: Theoretical 4.32, Found 4.3
  - Nitrogen: Theoretical 10.01, Found 9.88
Product Name: GPi 688
CAS Number: 918902-32-6
IUPAC Name: 2-Chloro-N-[1-[(2R)-2,3-dihydroxypropyl]-1,2,3,4-tetrahydro-2-oxo-3-quinolinyl]-6H-thieno[2,3-b]pyrrole-5-carboxamide

Description:
Allosteric glycogen phosphorylase inhibitor; acts at the indole site of glycogen phosphorylase. Inhibits glucagon-mediated hyperglycemia in vivo in the rat.

Physical and Chemical Properties:
- Batch Molecular Formula: C\textsubscript{19}H\textsubscript{16}ClN\textsubscript{3}O\textsubscript{4}S
- Batch Molecular Weight: 419.88
- Physical Appearance: Beige solid

Minimum Purity: >99%

Storage: Store at +4°C

Solubility & Usage Info:
- DMSO to 100 mM
- ethanol to 25 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
- SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
- SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: