

---

**Certificate of Analysis**

---

Product Name: YM-155 hydrochloride  
Cat. No.: GC15632  
Batch No.: 1  
Chemical Name: 1-(2-methoxyethyl)-2-methyl-3-(pyrazin-2-ylmethyl)benzo[f]benzimidazol-3-ium-4,9-dione;chloride

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 355406-09-6  
Molecular Formula:  $C_{20}H_{19}ClN_4O_3$   
Molecular Weight: 398.84  
Storage: Store at  $-20^{\circ}C$   
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---