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## **Certificate of Analysis**

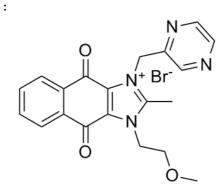
Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	: YM-155
Cat. No.	: PC-42439
CAS No.	: 781661-94-7
Batch No.	: PC-4243901
Chemical Name	: 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(2- pyrazinylmethyl)-, bromide (1:1)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight	: 443.2939	
Molecular Formula	: C <sub>20</sub> H <sub>19</sub> BrN <sub>4</sub> O <sub>3</sub>	
Storage	: Powder	-20°C 12 Months
		4°C 6 Months
	In solvent	-80°C 6 Months
		-20°C 6 Months

Chemical Structure



Appearance	: Solid powder
<sup>1</sup> H NMR Spectrum	: Consistent with
HPLC	: Consistent with
NP	: Consistent with
Purity (HPLC and/or LCMS)	: >98%
Conclusion	: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. Lab Use Only! E-mail: tech@probechem.com