

# Certificate of Analysis

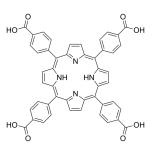
## Tetrakis (4-carboxyphenyl) porphyrin

Cat. No.:	HY-W008852
CAS No.:	14609-54-2
Batch No.:	102038
Chemical Name:	Benzoic acid, 4,4',4'''-(21H,23H-porphine-5,10,15,20-tetrayl)tetrakis-

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>48</sub> H <sub>30</sub> N <sub>4</sub> O <sub>8</sub>
Molecular Weight:	790.79
Storage:	4°C, protect from light, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

#### **Chemical Structure:**



### ANALYTICAL DATA

Appearance:	Purple to black (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥97.0%
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.

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