



CERTIFICATE OF ANALYSIS

PRODUCT:	Carboxy-PTIO [2-(4-Carboxyphenyl)-4,4,5,5-tetramethylimidazoline-1-oxyl-3-oxide . potassium salt] C ₁₄ H ₁₆ N ₂ O ₄ . K, M.W. 276.3 . 39.1, CAS# [148819-94-7]
PRODUCT NUMBER:	C-1185
LOT NUMBER:	A7911
APPEARANCE:	Blue solid
SOLUBILITY:	1.4 mg/ml soluble in 100% ethanol, methanol, DMSO and DMF. Highly soluble in water (100 mg/ml) or aqueous buffers, e.g. PBS, pH 7.2 (35 mg/ml).
UV/VIS:	Confirms (λ_{max} : 232, 295, 345 nm)
IDENTITY:	Identical to standard reference (determined by MS)
PURITY:	99.6%
STORAGE & HANDLING:	Keep cool and dry at -20°C. Solutions in organic solvents will be stable for at least 6 months if stored at -20°C. Further dilutions of organic stock solutions should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions can be prepared by directly dissolving the crystalline

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compound in aqueous buffers. We do not recommend storing aqueous solutions for more than one day.

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: KT