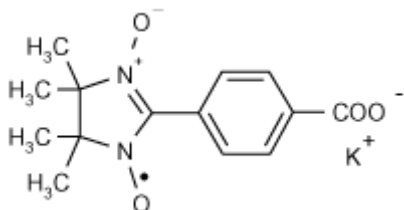


PRODUCT DATA SHEET

Product: Carboxy-PTIO

Cat. No.: BC-318 (50 mg)



Description:

Water soluble and stable nitric oxide radical scavenger that shows antagonistic action in both chemical and biological systems against the free nitric oxide radical (NO \cdot). The inhibitory effects were almost 2-fold stronger than those of NMMA and NOARG. Reacts with nitric oxide in a stoichiometric manner and can be used for improved detection of nitric oxide in activated macrophage cultures in combination with the Griess reagent.

Chemical Name:

2-(4-Carboxyphenyl)-4,4,5,5-tetramethylimidazole-1-oxyl-3-oxide.potassium salt

Molecular Weight:

276.3 + 39.1

Formula:

C₁₄H₁₆N₂O₄ · K

Appearance:

Blue solid

Solubility:

Soluble in 100% ethanol, methanol, DMSO or dimethyl formamide. Highly soluble in water or aqueous buffers, e.g. PBS, pH 7.2.

Storage:

Store at 4°C short term and at -20°C long term.

Purity:

≥98%

Limitations:

For research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. **KAMIYA BIOMEDICAL COMPANY** is not liable for any damage, personal injury, or economic loss caused by this product.