Carboxy-PTIO

Nitric oxide (NO) scavenger

Carboxy-PTIO is a water-soluble and stable nitric oxide radical scavenger that shows in chemical and biological systems antagonistic action against the free nitric oxide radical (NO·) in a stoichiometric manner. The inhibitory effects are almost two-fold stronger than those of NMMA (Prod. No. ALX-106-001) and NOARG (Prod. No. ALX-105-001). Carboxy-PTIO can be used for an improved detection of nitric oxide in activated macrophage cultures in combination with the Griess reagent (Prod. No. ALX-400-004). Carboxy-PTIO also protects against endotoxin shock.

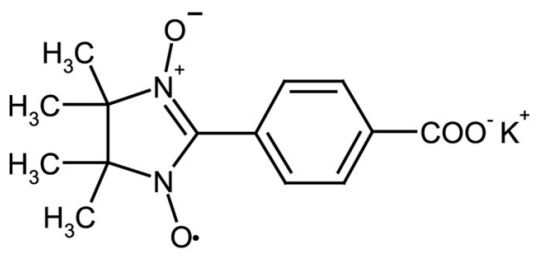
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ALX-430-001-M010	10mg
ALX-430-001-M050	50mg
ALX-430-001-M250	250mg

Manuals, SDS & CofA View Online »

- Highly pure NO scavenger

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2-(4-Carboxyphenyl)-4,4,5,5-tetramethylimidazoline-1-oxyl-3-oxide . potassium salt
Appearance	Blue solid.
CAS	148819-94-7
Couple Target	Nitric oxide
Formula	$C_{14}H_{16}N_2O_4$. K
Identity	Identity determined by MS and NMR.
MW	315.4
Purity	≥99% (HPLC)
Solubility	Soluble in DMF, DMSO, 100% ethanol, or 100% methanol. Highly soluble in water or aqueous buffers (e.g. PBS, pH 7.2).

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