

NOVA TEMPO™

NOVA TEMPO™ is a stable free radical nitroxyl useful in inhibiting free radical reactions, as well as a wide variety of other synthetic applications. There are several references in Chemical Abstracts. Nova produces other fine chemicals, including a variety of hindered amines and nitroxyls.

General Information

Color and form @ 25°C: Dark Orange Red Crystalline Solid
Molecular Weight: 156.25

Specifications

	<u>Typical</u>	<u>Specification</u>
Purity, GC	97%	93% minimum
Melting Point	36-39°C	
Boiling Point	200°C, est. @ 760 mm Hg	
Vapor Pressure	100mm Hg @140°C	
Flash Point	67°C	

Properties

- Inhibits free radical reactions
- Oxidizing agent

Suggested Uses

- Polymerization inhibitor
- Selective oxidizing agent
- Spin label
- Reprographic chemicals

References

E.G. Rozantsev, Free Nitroxyl Radicals, Plenum Press, New York (1970)
Leonid B. Volodarsky, Imidazoline Nitroxides, Volume I, CRC Press (1988)

Packaging and Shipping

FOB, Texas, USA. 200 gram quantities are shipped in 250 cc wide mouth amber glass bottles. Smaller quantities are available from Sigma-Aldrich.

NOVA TEMPO™, CAS# 2564-83-2, is listed on the U. S. TSCA Inventory and the EINECS List for sale in the European Economic Community (EC# 219-888-8). It is listed on Canadian Non-Domestic Substance List., as of February 9, 2005. Registration in Japan and Australia has not been determined.

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