



>>Entry Name: **Tris(2-nitroxyethyl)amine**

Synonym(s): 2,2',2"-Nitrilotriethanol trinitrate, 9Cl, 8Cl. **Trolnitate**, INN

CAS Registry Number: 7077-34-1

$(\text{O}_2\text{NOCH}_2\text{CH}_2)_3\text{N}$

Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_4\text{O}_9$

Molecular Weight: 284.182

Accurate Mass: 284.060431

Percentage Composition: C 25.36%; H 4.26%; N 19.72%; O 50.67%

Use/Importance: Vasodilator

Development Status: Discontinued

Calculated Log P Data: Log P 2.09 (calc)

>>**Derivative:** Phosphate (1:2)

Synonym(s): **Trolnitate phosphate**, BAN. Metamine. Nitretamin. Angitrit. Bentonyl. Duronitrin. Kardin. Nitranol. Nitroduran. Ortin. Many other names

CAS Registry Number: 588-42-1

Physical Description: Cryst.

Melting Point: Mp 107-109 dec.°

Solubility: Insol. CHCl_3 , Et_2O , sol. mineral acids

Hazard & Toxicity: LD_{50} (rat, orl) 130 mg/kg

References:

Ger. Pat., 1952, 830 955; *CA*, **52**, 11109i, (synth)

Buyanov, V.V., *Farmakol. Toksikol. (Moscow)*, 1967, **30**, 30, (pharmacol)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 532, (synonyms)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1026

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, TJL250