



LKT Laboratories, Inc.

Diminazene Aceturate

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Product Information

Product ID D3353

CAS No. 908-54-3

Chemical Name Glycine, N-acetyl-, compd. with 4,4'-(1-triazene-1,3-diyl)bis(benzenecarboximidamide) (2:1)

Synonym Azidin, Ganasag, Berenil, Beronal, Bevenil.

Formula $C_{14}H_{15}N_7 \cdot 2C_4H_7NO_3$

Formula Wt. 515.52

Melting Point 217° C (dec)

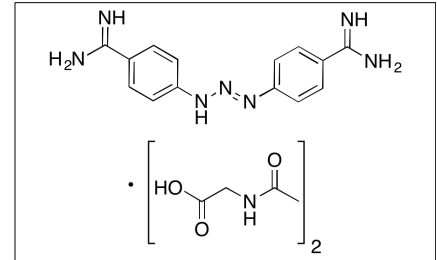
Purity ≥98%

Solubility Soluble in 14 parts water (20°C). Slightly soluble in alcohol.

Store Temp Ambient

Ship Temp Ambient

Description Diminazene is a diamidine compound that activates angiotensin-converting enzyme 2 (ACE2), opposing the effects of angiotensin II (AT II) and the AT1 receptor. Diminazene acts as an antibacterial and anti-parasitic compound, inhibiting DNA polymerase in eukaryotic cells. Diminazene exhibits efficacy against *Trypanosoma*, *Babesia*, *Brucella*, and *Streptococcus*.



Bulk quantities available upon request

Product ID	Size
D3353	1 g
D3353	5 g
D3353	25 g

References Mecca AP, Regenhardt RW, O'Connor TE, et al. Cerebroprotection by angiotensin-(1-7) in endothelin-1-induced ischaemic stroke. *Exp Physiol*. 2011 Oct;96(10):1084-96. doi: 10.1113/expphysiol.2011.058578. Epub 2011 Jun 17. PMID: 21685445.

Peregrine AS, Mamman M. Pharmacology of diminazene: a review. *Acta Trop*. 1993 Sep;54(3-4):185-203. PMID: 7902657.

Marcus SL, Kopelman R, Koll B, et al. Effects of exogenous polyamine and trypanocides on the DNA polymerase activities from *Trypanosoma brucei brucei*, mouse thymus and murine leukemia virus. *Mol Biochem Parasitol*. 1982 Apr;5(4):231-43. PMID: 6178972.

Shenov V, Gjymishka A, Jarajapu YP, et al. Diminazene attenuates pulmonary hypertension and improves angiogenic progenitor cell functions in experimental models. *Am J Respir Crit Care Med*. 2013 Mar 15;187(6):648-657. PMID: 23370913.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.