



LKT Laboratories, Inc.

Dexrazoxane

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Product Information

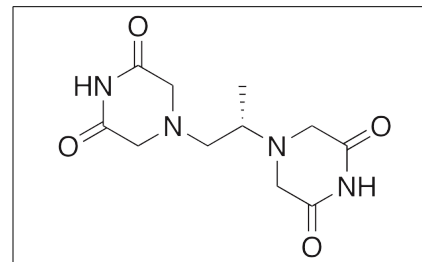
Product ID D1994
CAS No. 24584-09-6
Chemical Name

Synonym

Formula $C_{11}H_6N_4O_4$
Formula Wt. 268.27
Melting Point
Purity $\geq 98\%$
Solubility 10mg/mL in DMSO
5mg/mL in DMF

Store Temp Ambient
Ship Temp Ambient

Description Dexrazoxane is an iron chelator that exhibits cardioprotective, antioxidative, pro-angiogenic, and anti-parasitic activities. Dexrazoxane decreases superoxide formation and prevents anthracycline-induced cardiotoxicity. In animal models of myocardial infarction, dexrazoxane decreases infarct size, increases capillary density, and improves cardiac function. Additionally, this compound displays antimalarial benefit, inhibiting growth of *Plasmodium*.



Bulk quantities available upon request

Product ID	Size
D1994	5 mg
D1994	25 mg
D1994	100 mg

References Doroshow JH. Dexrazoxane for the prevention of cardiac toxicity and treatment of extravasation injury from the anthracycline antibiotics. *Curr Pharm Biotechnol.* 2012 Aug;13(10):1949-56. PMID: 22352729.

Zhou L, Sung RY, Li K, et al. Cardioprotective effect of dexrazoxane in a rat model of myocardial infarction: anti-apoptosis and promoting angiogenesis. *Int J Cardiol.* 2011 Oct 20;152(2):196-201. PMID: 20692056.

Jones RL. Utility of dexrazoxane for the reduction of anthracycline-induced cardiotoxicity. *Expert Rev Cardiovasc Ther.* 2008 Nov;6(10):1311-7. PMID: 19018683.

Loyevsky M, Sacchi JB Jr, Boehme P, et al. Plasmodium falciparum and Plasmodium yoelii: effect of the iron chelation prodrug dexrazoxane on in vitro cultures. *Exp Parasitol.* 1999 Feb;91(2):105-14. PMID: 9990337.

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