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**Product Data Sheet**

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Product Name: R 80123  
Cat. No.: GC32524

**Chemical Properties**

Cas. No. 133718-30-6

SMILES O=C(N(C1CCCCC1)C)CO/N=C(C2=CC=CC=C2)\C3=CC4=C(N=C(NC(C5)=O)N5C4)C=C3

Formula  $C_{26}H_{29}N_5O_3$  M.Wt 459.54

Solubility Soluble in DMSO Storage Store at  $-20^{\circ}C$

General For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure

**Background**

R 80123 is the Z-isomer of R 79595, is also a highly selective phosphodiesterase inhibitor. The function is similar to R 80122. In vivo: The administration of Revizinone improved the haemodynamic profile with an increase in cardiac output, a decrease in systemic vascular resistance and a stable heart rate and mean arterial blood pressure. [1] With regard to reconstitution of contractility and cardiac function Revizinone (E-isomer) is 10 fold more potent than R 79595 and nearly 100 fold more potent than R 80123 (Z-isomer). [2] Revizinone significantly increases global LV function and systolic wall thickening in ischemic areas at doses greater than or equal to 0.16 mg/kg i.v. [3]

[1]. Vandeplassche GM et al. Comparative effects of R 80122, enoximone, and milrinone on left ventricular phosphodiesterase isoenzymes in vitro and on contractility of normal and stunned myocardium in vivo in dogs. J Cardiovasc Pharmacol. 1992 May;19(5):714-22. <https://www.ncbi.nlm.nih.gov/pubmed/1381769> [2]. Schneider J et al. Cardiac effects of R 79595 and its isomers (R 80122 and R 80123) in an acute heart failure model. A new class of cardiotoxic agents with highly selective phosphodiesterase III inhibitory properties. Naunyn Schmiedeberg's Arch Pharmacol. 1992 Nov;346(5):563-72. [3]. Vandeplassche GM et al. Comparative effects of R 80122, enoximone, and milrinone on left ventricular phosphodiesterase isoenzymes in vitro and on contractility of normal and stunned myocardium in vivo in dogs. J Cardiovasc Pharmacol. 1992 May;19(5):714-22.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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