
Product Data Sheet

Product Name: L-159282 (MK 996)

Cat. No.: GC32569

Chemical Properties

Cas. No. 157263-00-8

SMILES O=C(NS(=O)(C1=CC=CC=C1C2=CC=C(CN3C(CC)=NC4=C(C)C=C(C)N=C43)C=C2)=O)C5=CC=CC=C5Formula $C_{30}H_{28}N_4O_3S$ M.Wt 524.63

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°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**

L-159282 is a highly potent, orally active, nonpeptide angiotensin II receptor antagonist, with anti-hypertensive activity.

In the anesthetized chimpanzee, L-159282 (1 mg/kg, iv) produces 100% inhibition of the All pressor response and is still active (52%) at 24 h. In aortic coarcted (high renin) rats, L-159282 (3 mg/kg, p.o.) reduces blood pressure to normotensive (< 120 mm Hg) levels without reflex tachycardia. This dose of L-159282 reduces blood pressure to approximately the same level as both losartan (3 mg/kg, p.o.) and enalapril (3 mg/kg, p.o.) in this model[1].

[1]. Kivlighn SD, et al. In vivo pharmacology of a novel AT1 selective angiotensin II receptor antagonist, MK-996. Am J Hypertens. 1995 Jan;8(1):58-66.

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

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