Catalog # 10-2052

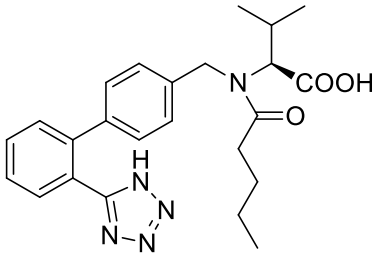
Valsartan

CAS# 137862-53-4

CGP-48933

(*S*)-3-methyl-2-[*N*-({4-[2-(2*H*-1,2,3,4-tetrazol-5-yl)phenyl]phenyl}methyl)-pentanamido]butanoic acid

Lot # X105625



High affinity angiotensin AT_1 receptor antagonist (K_i = 2.38 nM). Highly selective (30,000-fold) over AT_2 receptors[1,2]. Normalizes the increased production of inflammatory cytokines in adipose and liver tissue in LPS-infused mice[3]. Clinically useful antihypertensive agent. Orally active.

1) Criscione *et al*. (1993), *Pharmacological profile of calsartan: a potent, orally active, nonpeptide antagonist of the angiotensin II AT1-receptor subtype*; Br. J. Pharmacol., **110** 761
2) Wexler *et al*. (1996), *Nonpeptide angiotensin II receptor antagonists: the next generation in antihypertensive therapy*; J. Med. Chem., **39** 625
3) Iwashita *et al*. (2013), *Valsartan restores inflammatory response by macrophages in adipose and hepatic tissues of LPS-infused mice*; Adipocyte, **2** 28

PHYSICAL DATA

Molecular Weight:	435.52
Molecular Formula:	$C_{24}H_{29}N_5O_3$
Purity:	99% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 40 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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