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DATASHEET

Valsartan

Product overview

Name	Valsartan
Cat No	HB3381
Biological action	Antagonist
Purity	>98%
Description	Selective angiotensin AT ₁ antagonist

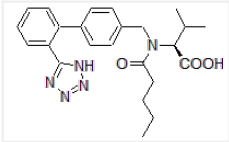
Biological Data

Biological description	Selective angiotensin AT ₁ antagonist (IC ₅₀ = 44.9 nM) that displays ~30,000-fold selectivity over AT ₂ receptors. Shows anti-hypertensive effects. Recently investigated as part of COVID-19 compound repurposing.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	(S)-3-methyl-2-(N-([2'-(2H-1,2,3,4-tetrazol-5-yl)biphenyl-4-yl]methyl)pentanamido)butanoic acid
Molecular Weight	435.52
Chemical structure	
Molecular Formula	C ₂₄ H ₂₉ N ₅ O ₃
CAS Number	137862-53-4
PubChem identifier	60846
SMILES	<chem>CCCCC(=O)N(CC1=CC=C(C=C1)C2=CC=CC=C2C3=NNN=N3)C(C(C)C)C(=O)O</chem>
InChi	InChI=1S/C24H29N5O3/c1-4-5-10-21(30)29(22(16(2)3)24(31)32)15-17-11-13-18(14-12-17)19-8-6-7-9-20(19)23-25-27-28-26-23/h6-9,11-14,16,22H,4-5,10,15H2,1-3H3,(H,31,32)(H,25,26,27,28)/t22-m/0/s1
InChiKey	ACWBQPMHZXGDFX-QFIPXVFZSA-N
MDL number	MFCD00865840
Appearance	White solid

References

Valsartan: more than a decade of experience

Black HR *et al* (2009) *Drugs* 69(17)

PubMedID

19911855

Pharmacological profile of valsartan: a potent, orally active, nonpeptide antagonist of the angiotensin II AT1-receptor subtype

Criscione L *et al* (1993) *Br J Pharmacol* 110(2)

PubMedID

8242249
