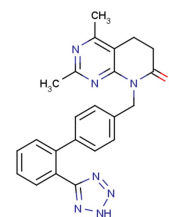


Tasosartan

Chemical Properties

CAS No.:	145733-36-4
Formula:	C23H21N7O
Molecular Weight:	411.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Tasosartan is an antagonist of angiotensin II type 2 (AT2) receptor (IC ₅₀ = 1.2 nM).
Targets(IC ₅₀)	angiotensin II type 2 (AT2) receptor: 1.2 nM
In vitro	Tasosartan is an AngII antagonist that has demonstrated specific and selective AT1 receptor antagonistic activity in vitro. In the absence of proteins in the binding buffer, IC ₅₀ for inhibition of specific binding of ¹²⁵ I-AngII to rat adrenal membrane is 1.2±0.6 nM [1].
In vivo	In vivo, tasosartan (p.o. or i.v.) blocked by 80% AT1 receptors 1 to 2 h after drug administration and still had a 40% effect at 32 h.

Solubility Information

Solubility	DMSO: 125 mg/mL (303.80 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.43 mL	12.152 mL	24.304 mL
5 mM	0.486 mL	2.43 mL	4.861 mL
10 mM	0.243 mL	1.215 mL	2.43 mL
50 mM	0.049 mL	0.243 mL	0.486 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Maillard M P , Rossat J , Brunner H R , et al. Tasosartan, enoltasosartan, and angiotensin II receptor blockade: The confounding role of protein binding[J]. Journal of Pharmacology & Experimental Therapeutics, 2000, 295(2):649-654.
- Ellingboe J W , Collini M D , Quagliato D , et al. Metabolites of the Angiotensin II Antagonist Tasosartan: The Importance of a Second Acidic Group[J]. journal of medicinal chemistry, 1998, 41(22):4251-4260.

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