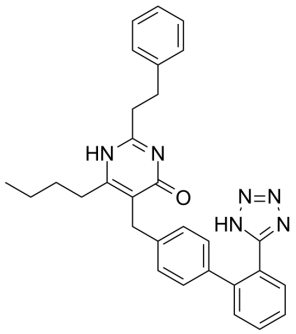
SL910102

Cat. No.:	HY-100292
CAS No.:	144756-71-8
Molecular Formula:	$C_{30}H_{30}N_6O$
Molecular Weight:	490.6
Target:	Angiotensin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SL910102 is a nonpeptide angiotensin AT_1 receptor antagonist.
IC_{50} & Target	Angiotensin AT_1 receptor[1]
In Vitro	SL910102 (SL 91.0102-90 DL) is a unlabelled nonpeptide AT_1-antagonist, which is tested for its ability to compete with [^{125}J](Sar^1-Ile^8)-angiotensin II for specific AT_1-receptor sites in rat lung homogenate[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Kinase Assay [1]	For saturation as well as displacement studies, rat lung homogenate is incubated in either Hepes-buffer or blank human or rat plasma yielding 50 µg protein per well in a total assay volume of 300 µL. To ensure equilibrium conditions (see binding kinetics), the samples are maintained for 60 min at 25°C under continuous rotation. All experiments are carried out in duplicate, and the results are confirmed with n=3-5 replicates over the following days[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Soldner A, et al. A radioreceptor assay for the analysis of AT1-receptor antagonists. Correlation with complementary LC data reveals a potential contribution of active metabolites. J Pharm Biomed Anal. 1998 May;17(1):111-24.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA