Product Data Sheet

Product Name: SL910102
Cat. No.: GC32591

Chemical Properties

Cas. No.	144756-71-8		
SMILES	O=C1N=C(CCC2=CC=CC=C2)NC(CCCC)=C1CC3=CC=C(C4=CC=CC=C4C5=NN=NN5)C=C3		
Formula	$C_{30}H_{30}N_6O$	M.Wt	490.6
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	SL910102		

Protocol

Kinase experiment:

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].

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.

Background

SL910102 is a nonpeptide angiotensin AT1 receptor antagonist.

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SL910102 (SL 91.0102-90 DL) is a unlabelled nonpeptide AT1-antagonist, which is tested for its ability to compete with [125J](Sar1-Ile8)-angiotensin II for specific AT1-receptor sites in rat lung homogenate[1].

[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.

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