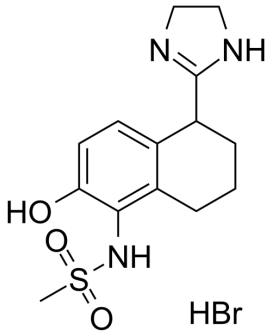
A-61603

Cat. No.:	HY-101366
CAS No.:	107756-30-9
Molecular Formula:	$C_{14}H_{20}BrN_3O_3S$
Molecular Weight:	390.3
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20 mg/mL (51.24 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.5621 mL	12.8107 mL	25.6213 mL
	5 mM	0.5124 mL	2.5621 mL	5.1243 mL
	10 mM	0.2562 mL	1.2811 mL	2.5621 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

A-61603 is a selective α_{1A}-adrenergic receptor agonist[1]. A-61603 increases the frequency of spontaneous Ca^{2+} transients in rat ventricular myocytes in vitro[2].

IC_{50} & Target

α1A-adrenergic receptor

REFERENCES

[1]. Meyer MD, et al. Synthesis and in vitro characterization of N-[5-(4,5-dihydro-1H-imidazol-2-yl)-2-hydroxy-5,6,7,8- tetrahydronaphthalen-1-yl]methanesulfonamide and its enantiomers: A novel selective α1A receptor agonist. J. Med. Chem. 39(20), 4116-4119 (1

Caution: Product has not been fully validated for medical applications. For research use only.

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