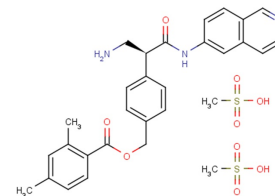


Netarsudil mesylate

Chemical Properties

CAS No.:	1422144-42-0
Formula:	C30H35N3O9S2
Molecular Weight:	645.74
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Netarsudil mesylate is an inhibitor of Rho-associated protein kinase (ROCK) and norepinephrine transporter (NET) with effective in intraocular pressure (IOP) reduction.
Targets(IC ₅₀)	Others: None
In vivo	Netarsudil (AR-13324; 0.04%, 50 ML) reduces intraocular pressure (IOP) in normotensive monkey eyes [1]. Netarsudil hydrochloride (0.04%) produces a statistically significant lowering of episcleral venous pressure (EVP) in Dutch Belted rabbits [2].

Solubility Information

Solubility	DMSO: 100 mg/mL (154.86 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.549 mL	7.743 mL	15.486 mL
5 mM	0.31 mL	1.549 mL	3.097 mL
10 mM	0.155 mL	0.774 mL	1.549 mL
50 mM	0.031 mL	0.155 mL	0.31 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

1. Wang RF, et al. Effect of 0.04% AR-13324, a ROCK, and norepinephrine transporter inhibitor, on aqueous humor dynamics in normotensive monkey eyes. J Glaucoma. 2015 Jan;24(1):51-4.
2. Levy B, et al. Ocular hypotensive safety and systemic absorption of AR-13324 ophthalmic solution in normal volunteers. Am J Ophthalmol. 2015 May;159(5):980-5.e1.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481