PROTO-1

Cat. No.:	HY-18673		
CAS No.:	312951-85-	2	
Molecular Formula:	C ₁₇ H ₁₉ ClN ₄ C	∫₂S	
Molecular Weight:	378.88		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

SOLVENT & SOLUBILITY

		Solvent Mass Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6394 mL	13.1968 mL	26.3936 mL
		5 mM	0.5279 mL	2.6394 mL	5.2787 mL
		10 mM	0.2639 mL	1.3197 mL	2.6394 mL
	Please refer to the so	lubility information to select the app	propriate solvent.		
n Vivo		one by one: 10% DMSO >> 40% PEC ng/mL (5.49 mM); Clear solution	G300 >> 5% Tween-8	0 >> 45% saline	
		one by one: 10% DMSO >> 90% (20 ng/mL (5.49 mM); Clear solution	% SBE-β-CD in saline)		

Description		
-	PROTO-1 is a hair cell prote	ector and can be used in studies of ototoxicity-induced hair cell death ^[1] .
		how significant protection of hair cells over a broad range of neomycin concentrations ^[1] . y confirmed the accuracy of these methods. They are for reference only.
	Cell Line:	Sensory hair cell
	Concentration:	1, 10 μΜ

Product Data Sheet

·NΗ

 NH_2

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Incubation Time:	1.5 h (pre-treat for 1 h, then expose to neomycin for 0.5 h)

REFERENCES

[1]. Owens KN, et al. Identification of genetic and chemicalm modulators of zebrafish mechanosensory hair cell death. PLoS Genet. 2008 Feb 29;4(2):e1000020.

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

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