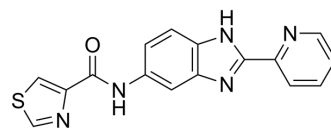


Sperm motility agonist-1

Cat. No.:	HY-153818		
CAS No.:	1796991-30-4		
Molecular Formula:	C ₁₆ H ₁₁ N ₅ OS		
Molecular Weight:	321.36		
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

In Vitro	DMSO : 100 mg/mL (311.18 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1118 mL	15.5589 mL	31.1178 mL
		5 mM	0.6224 mL	3.1118 mL	6.2235 mL
10 mM		0.3112 mL	1.5559 mL	3.1118 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (7.78 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (7.78 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Sperm motility agonist-1 (compound 745) is a Sperm motility agonist. Sperm motility agonist-1 can be used in studies of infertility and enhancement of fertility ^[1] .
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REFERENCES

[1]. Mannowetz, et al. Compositions and methods of use for enhancing fertility. World Intellectual Property Organization, WO2021046446 A1. 2021-03-11.

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

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