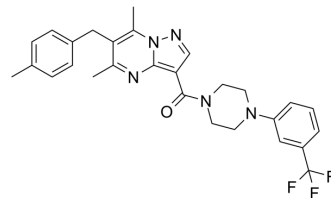


RUVBL1/2 ATPase-IN-1

Cat. No.:	HY-146074
CAS No.:	423128-55-6
Molecular Formula:	C ₂₈ H ₂₈ F ₃ N ₅ O
Molecular Weight:	507.55
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (19.70 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		1.9702 mL	9.8512 mL	19.7025 mL
		5 mM		0.3940 mL	1.9702 mL	3.9405 mL
		10 mM		0.1970 mL	0.9851 mL	1.9702 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: ≥ 1 mg/mL (1.97 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (1.97 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	RUVBL1/2 ATPase-IN-1 (compound 18) is a potent and selective inhibitor of RUVBL1/2 ATPase with IC ₅₀ values of 6.0 and 7.7 μM, respectively. RUVBL1 and RUVBL2 are highly conserved AAA ATPases (ATPases Associated with various cellular Activities) and highly relevant to the progression of cancer. RUVBL1/2 ATPase-IN-1 has the potential for the research of cancer diseases ^[1] .
-------------	--

REFERENCES

[1]. Zhang G, et al. Discovery of small-molecule inhibitors of RUVBL1/2 ATPase. Bioorg Med Chem. 2022;62:116726.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA