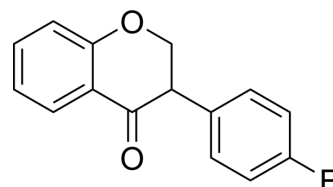


KBU2046

Cat. No.:	HY-120548		
CAS No.:	1143863-69-7		
Molecular Formula:	C ₁₅ H ₁₁ FO ₂		
Molecular Weight:	242.25		
Target:	HSP		
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease		
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 : 50 mg/mL (206.40 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.1280 mL	20.6398 mL	41.2797 mL
		5 mM	0.8256 mL	4.1280 mL	8.2559 mL
10 mM		0.4128 mL	2.0640 mL	4.1280 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.32 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.32 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	KBU2046 is an oral, highly selective inhibitor of cell motility and cell invasion in vitro. KBU2046 binds chaperone heterocomplexes, selectively alters binding of client proteins that regulate motility, and lacks all of the hallmarks of classical HSP90 inhibitors. KBU2046 inhibits cancer metastasis and prolongs life ^[1] .
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REFERENCES

[1]. Xu L, et al. Precision therapeutic targeting of human cancer cell motility. Nat Commun. 2018 Jun 22;9(1):2454.

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

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