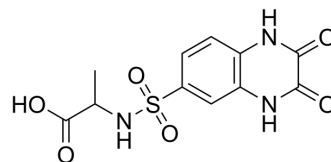


## BCI-137

Cat. No.:	HY-119024		
CAS No.:	112170-24-8		
Molecular Formula:	C <sub>11</sub> H <sub>11</sub> N <sub>3</sub> O <sub>6</sub> S		
Molecular Weight:	313.29		
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 (319.19 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	3.1919 mL	15.9597 mL	31.9193 mL
	5 mM	0.6384 mL	3.1919 mL	6.3839 mL
	10 mM	0.3192 mL	1.5960 mL	3.1919 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 (7.98 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.98 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.98 mM); Clear solution			

## BIOLOGICAL ACTIVITY

Description	BCI-137 is a competitive AGO2 inhibitor, with an IC <sub>50</sub> of 342 μM. BCI-137 tightly binds to several residues of the Mid domain <sup>[1]</sup>
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## REFERENCES

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[1]. Poser E, et, al. Surface Plasmon Resonance: A Useful Strategy for the Identification of Small Molecule Argonaute 2 Protein Binders. Methods Mol Biol. 2017;1517:223-237.

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

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