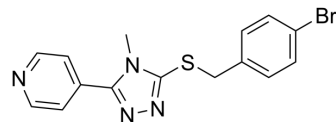


## NUCC-0000323

Cat. No.:	HY-153019
CAS No.:	663212-78-0
Molecular Formula:	C <sub>15</sub> H <sub>13</sub> BrN <sub>4</sub> S
Molecular Weight:	361.26
Target:	SOD
Pathway:	Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (346.01 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.7681 mL	13.8404 mL	27.6809 mL
		5 mM	0.5536 mL	2.7681 mL	5.5362 mL
	10 mM	0.2768 mL	1.3840 mL	2.7681 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: ≥ 2.08 mg/mL (5.76 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.76 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.76 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	NUCC-0000323 is a potent superoxide dismutase 1 (SOD1) inhibitor. NUCC-0000323 inhibits SOD1 expression. NUCC-0000323 can be used in research of amyotrophic lateral sclerosis (ALS) <sup>[1]</sup> .
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### REFERENCES

[1]. Teepu S, et, al. Small molecule inhibitors of superoxide dismutase expression. US20150210679A1.

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

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