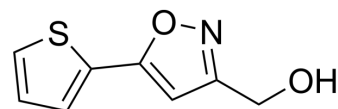


## [5-(2-Thienyl)-3-isoxazolyl]methanol

<b>Cat. No.:</b>	HY-W029719		
<b>CAS No.:</b>	194491-44-6		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>7</sub> NO <sub>2</sub> S		
<b>Molecular Weight:</b>	181.21		
<b>Target:</b>	Bacterial		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Pure form	-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 (551.85 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.5185 mL	27.5923 mL	55.1846 mL
5 mM	1.1037 mL	5.5185 mL	11.0369 mL
10 mM	0.5518 mL	2.7592 mL	5.5185 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

[5-(2-Thienyl)-3-isoxazolyl]methanol (Compound D) is an AgrA-DNA binding inhibitor. [5-(2-Thienyl)-3-isoxazolyl]methanol can be used for S.aureus infection research<sup>[1]</sup>.

### REFERENCES

[1]. Leonard PG, et al. Identification of a hydrophobic cleft in the LytTR domain of AgrA as a locus for small molecule interactions that inhibit DNA binding. *Biochemistry*. 2012 Dec 18;51(50):10035-43.

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

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