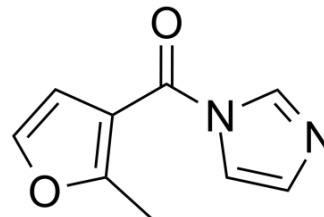


## 5S rRNA modifcator

<b>Cat. No.:</b>	HY-18408		
<b>CAS No.:</b>	1415238-77-5		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	176.17		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 52 mg/mL (295.17 mM)

\* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.6763 mL	28.3817 mL	56.7634 mL
	5 mM	1.1353 mL	5.6763 mL	11.3527 mL
	10 mM	0.5676 mL	2.8382 mL	5.6763 mL

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

### BIOLOGICAL ACTIVITY

#### Description

5S rRNA modifcator is a suitable electrophile for 2'-hydroxyl acylation on structured RNA molecules, yielding accurate structural information comparable to that obtained with existing probes; 5S rRNA RNA modification.

### REFERENCES

[1]. Spitale RC, et al. RNA SHAPE analysis in living cells. Nat Chem Biol. 2013 Jan;9(1):18-20.

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

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