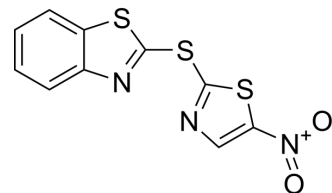


## NPAS3-IN-1

Cat. No.:	HY-112374		
CAS No.:	2207-44-5		
Molecular Formula:	C <sub>10</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub> S <sub>3</sub>		
Molecular Weight:	295.36		
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 : 25 mg/mL (84.64 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3857 mL	16.9285 mL	33.8570 mL
	5 mM	0.6771 mL	3.3857 mL	6.7714 mL
	10 mM	0.3386 mL	1.6928 mL	3.3857 mL

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

### BIOLOGICAL ACTIVITY

#### Description

NPAS3-IN-1 is a potent inhibitor of NPAS3-ARNT heterodimerization and regulates NPAS3 transcription by disrupting the heterodimerization of NPAS3 with ARNT at the cellular level<sup>[1]</sup>.

### REFERENCES

[1]. Li P, et al. Discovery of a highly potent NPAS3 heterodimer inhibitor by covalently modifying ARNT. *Bioorg Chem.* 2023 Oct;139:106676.

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

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