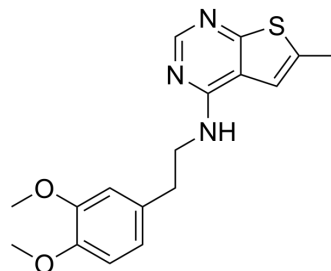


NR2F2-IN-1 free base

Cat. No.:	HY-156190A		
CAS No.:	452087-38-6		
Molecular Formula:	C ₁₇ H ₁₉ N ₃ O ₂ S		
Molecular Weight:	329.42		
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 : 125 mg/mL (379.45 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0356 mL	15.1782 mL	30.3564 mL
	5 mM	0.6071 mL	3.0356 mL	6.0713 mL
	10 mM	0.3036 mL	1.5178 mL	3.0356 mL

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

BIOLOGICAL ACTIVITY

Description

NR2F2-IN-1 (free base) is a potent and selective orphan nuclear receptor COUP-TFII (NR2F2) inhibitor. NR2F2-IN-1 (free base) substantially inhibits COUP-TFII-driven NGFIA reporter expression. NR2F2-IN-1 (free base) directly binds to the COUP-TFII ligand-binding domain and disrupts COUP-TFII interaction with transcription regulators, including FOXA1, thus repressing COUP-TFII activity on target gene regulation^[1].

REFERENCES

[1]. Leiming Wang, et al. Small-molecule inhibitor targeting orphan nuclear receptor COUP-TFII for prostate cancer treatment. *Sci Adv.* 2020 Apr 29;6(18):eaaz8031.

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

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