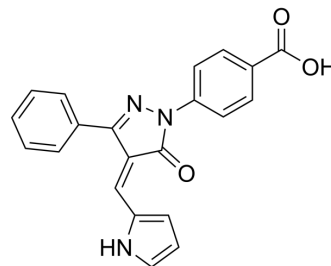


## MC4171

Cat. No.:	HY-153604		
Molecular Formula:	C <sub>21</sub> H <sub>15</sub> N <sub>3</sub> O <sub>3</sub>		
Molecular Weight:	357.36		
Target:	Histone Acetyltransferase		
Pathway:	Epigenetics		
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 (69.96 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.7983 mL	13.9915 mL	27.9830 mL	
5 mM	0.5597 mL	2.7983 mL	5.5966 mL	
10 mM	0.2798 mL	1.3991 mL	2.7983 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

MC4171 (compound 34) is a selective KAT8 inhibitor (IC<sub>50</sub>=8.1 μM). MC4171 has been shown to exhibit moderate micromolar antiproliferative activity in different cancer cell lines, including NSCLC and AML, with potential for studying cancer<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

KAT8<sup>[1]</sup>.

### REFERENCES

[1]. Fiorentino F, et al. First-in-Class Selective Inhibitors of the Lysine Acetyltransferase KAT8. J Med Chem. 2023 May 25;66(10):6591-6616.

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

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