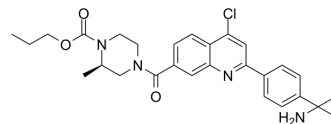


SMYD3-IN-1

Cat. No.:	HY-128352		
CAS No.:	2095160-79-3		
Molecular Formula:	C ₂₈ H ₃₁ ClN ₄ O ₃		
Molecular Weight:	507.02		
Target:	Histone Methyltransferase		
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 : 100 mg/mL (197.23 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9723 mL	9.8615 mL	19.7231 mL
5 mM	0.3945 mL	1.9723 mL	3.9446 mL
10 mM	0.1972 mL	0.9862 mL	1.9723 mL

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

BIOLOGICAL ACTIVITY

Description	SMYD3-IN-1 (compound 29) is an irreversible and selective inhibitor of SMYD3 (SET and MYND domain containing 3), with an IC ₅₀ of 11.7 nM ^[1] .
IC₅₀ & Target	SMYD3 11.7 nM (IC ₅₀)

REFERENCES

[1]. Huang C, et al. Discovery of Irreversible Inhibitors Targeting Histone Methyltransferase, SMYD3. ACS Med Chem Lett. 2019 May 23;10(6):978-984.

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

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