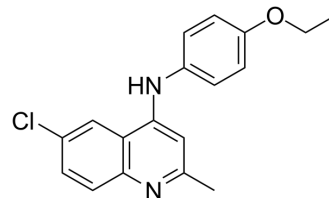


CSV0C018875

Cat. No.:	HY-133031
CAS No.:	442150-41-6
Molecular Formula:	C ₁₈ H ₁₇ ClN ₂ O
Molecular Weight:	312.79
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CSV0C018875 is a quinoline-based EHMT2/G9a inhibitor. CSV0C018875 exhibits lesser cytotoxicity than BIX-01294 ^[1] .	
IC ₅₀ & Target	G9a	
In Vitro	CSV0C018875 (2.5-20 μM; 48 hours) inhibits the levels of H3K9me2 modifications in the histones ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis ^[1]	
	Cell Line:	HEK293 cells
	Concentration:	2.5 μM, 10 μM, 20 μM
	Incubation Time:	48 hours
	Result:	Inhibited the enzymatic activity of G9a in a dose-dependent manner in HEK293 cells.

REFERENCES

[1]. M Ramya Chandar Charles, et al. Identification of novel quinoline inhibitor for EHMT2/G9a through virtual screening. Biochimie. 2020 Jan;168:220-230.

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

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