## SR-0813

Cat. No.:	HY-145409		
CAS No.:	2597186-19-9		
Molecular Formula:	C <sub>25</sub> H <sub>32</sub> N <sub>6</sub> O <sub>3</sub> S	i	
Molecular Weight:	496.62		
Target:	Epigenetic I	Reader D	omain
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

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## SOLVENT & SOLUBILITY

		Solvent Mass Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.0136 mL	10.0681 mL	20.1361 mL
	5 mM	0.4027 mL	2.0136 mL	4.0272 mL	
		10 mM	0.2014 mL	1.0068 mL	2.0136 mL

BIOLOGICAL ACTIV	ИТҮ			
Description	ENL YEATS domain, respective	tive ENL/AF9 YEATS domain inhib ely. SR-0813 has IC <sub>50</sub> and EC <sub>50</sub> va AP3K19 with over 100-fold lower ute leukemia <sup>[1]</sup> .	lues of 311 nM and 76 nM (CETS)	A) for AF9 YEATS domain,
IC <sub>50</sub> & Target	ENL YEATS domain 25 nM (IC <sub>50</sub> )	omain         ENL YEATS domain         AF9 YEATS domain         AF9 YEATS domain           205 nM (EC50)         311 nM (IC <sub>50</sub> )         76 nM (EC50)		
	ENL YEATS domain 30 nM (Kd)	МАРЗК19 3.5 µМ (Kd)		
In Vitro	gene body and MYB promoter	72 h) downregulates the transcr	Ŭ	, 0

## **Product** Data Sheet

suppression of ENL targ	ntly confirmed the accuracy of these methods. They are for reference only.
Cell Proliferation Assay	1]
Cell Line:	MLL-fusion leukemia cell lines: MV4;11 (MLL-AF4 AML), MOLM-13 (MLL-AF9 AML), and OCI/AML-2 (MLL-AF6 AML), which are sensitive to the genetic loss of ENL. HB11;19 cells, which harboring an MLL-ENL fusion.
Concentration:	0, 1, 10 μΜ
Incubation Time:	Approximately 2 weeks
Result:	Inhibited the growth of cells.

## REFERENCES

[1]. Garnar-Wortzel L, et al. Chemical Inhibition of ENL/AF9 YEATS Domains in Acute Leukemia. ACS Cent Sci. 2021 May 26;7(5):815-830.

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

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA