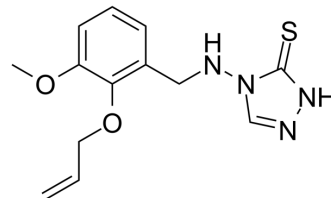


YUKA1

Cat. No.:	HY-100764
CAS No.:	708991-09-7
Molecular Formula:	C ₁₃ H ₁₆ N ₄ O ₂ S
Molecular Weight:	292.36
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (342.04 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.4204 mL	17.1022 mL	34.2044 mL
	5 mM	0.6841 mL	3.4204 mL	6.8409 mL
	10 mM	0.3420 mL	1.7102 mL	3.4204 mL

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

BIOLOGICAL ACTIVITY

Description

YUKA1 is a potent and cell permeable Lysine demethylase 5A (KDM5A) inhibitor, with an IC₅₀ of 2.66 μM, less active on KDM5C (IC₅₀, 7.12 μM), and is inactive on KDM5B, KDM6A or KDM6B. YUKA1 increases H3K4me3 levels in human cells with anti-cancer activity^[1].

IC₅₀ & Target

KDM5

REFERENCES

[1]. Gale M, et al. Screen-identified selective inhibitor of lysine demethylase 5A blocks cancer cell growth and drug resistance. *Oncotarget*. 2016 Jun 28;7(26):39931-39944.

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