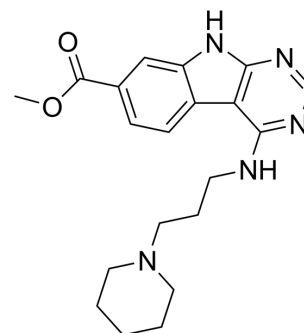


UM729

Cat. No.:	HY-15972		
CAS No.:	1448723-60-1		
Molecular Formula:	C ₂₀ H ₂₅ N ₅ O ₂		
Molecular Weight:	367.44		
Target:	Fungal		
Pathway:	Anti-infection		
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 : ≥ 40 mg/mL (108.86 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7215 mL	13.6077 mL	27.2153 mL
	5 mM	0.5443 mL	2.7215 mL	5.4431 mL
	10 mM	0.2722 mL	1.3608 mL	2.7215 mL

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

BIOLOGICAL ACTIVITY

Description

UM729 is a new pyrimidoindole, which has an additive effect with AhR antagonists in preventing differentiation in most AML specimens; collaborates with Ahr suppressors in preventing AML cell differentiation. IC50 value: Target: SR1 and UM729 can be implemented as a standardized supplement in culture media and will pave the way for studies of self-renewal mechanisms and for the identification of new antileukemic drugs through cell-based assays for primary human AML cells.

REFERENCES

- [1]. Mojumder DK, et al. Evaluating retinal toxicity of intravitreal caspofungin in the mouse eye. Invest Ophthalmol Vis Sci. 2010 Nov;51(11):5796-803.
- [2]. Flattery, Amy M. et al. Efficacy of caspofungin in a juvenile mouse model of central nervous system candidiasis. Antimicrobial Agents and Chemotherapy (2011), 55(7), 3491-3497.

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

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