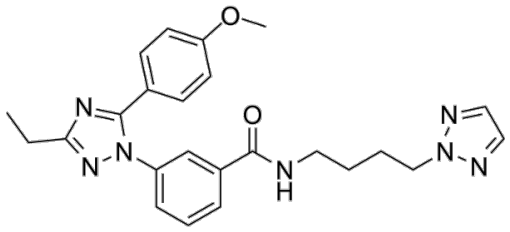
Product Data Sheet

Product Name: HJ445A
Cat. No.: GC74019

Chemical Properties

Cas. No.	3032441-59-8		
Formula	$C_{24}H_{27}N_7O_2$	M.Wt	445.52
Solubility	DMSO : 100 mg/mL (224.46 mM; Need ultrasonic)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

HJ445A is a potent MYOF inhibitor and binds to the MYOF-C2D domain with a KD of 0.17 μM.

Caution: Product has not been fully validated for medical applications. For research use only.
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HJ445A potently repressed the proliferation of gastric cancer cells with IC50 values of 0.16 and 0.14 μM in MGC803 and MKN45, respectively. HJ445A demonstrates superior antitumor efficacy in vivo and can be used for cancer research.

References:

[1]. Haijun Gu, et al. Discovery of a Highly Potent and Selective MYOF Inhibitor with Improved Water Solubility for the Treatment of Gastric Cancer. J Med Chem. 2023 Dec 6.

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