

## Product Data Sheet

Product Name: HJ445A  
Cat. No.: GC74019

### Chemical Properties

Cas. No. 3032441-59-8

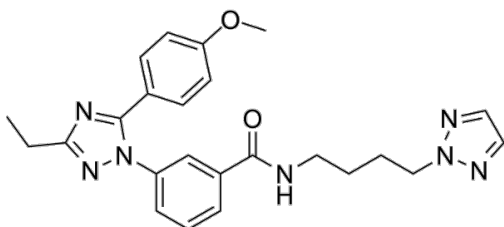
Formula  $C_{24}H_{27}N_7O_2$  M.Wt 445.52

Solubility DMSO : 100 mg/mL (224.46 mM; Storage -20°C  
Need ultrasonic)

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  $\mu$ M.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

## Product Data Sheet

---

HJ445A potently repressed the proliferation of gastric cancer cells with IC<sub>50</sub> values of 0.16 and 0.14  $\mu$ M 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.

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

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: [tech@glpbio.com](mailto:tech@glpbio.com)***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***