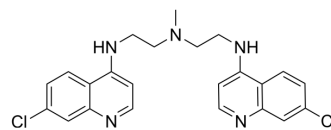


## Lys01

Cat. No.:	HY-12855
CAS No.:	1391426-22-4
Molecular Formula:	C <sub>23</sub> H <sub>23</sub> Cl <sub>2</sub> N <sub>5</sub>
Molecular Weight:	440.37
Target:	Autophagy
Pathway:	Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Lys01, a dimeric form of Chloroquine (HY-17589A), is an autophagy inhibitor. Lys01 inhibits cell viability of 1205Lu, c8161, LN229, HT-29 cells with IC<sub>50</sub>s of 3.6, 3.8, 7.9, 6.0 μM. Lys01 can be used for anticancer research<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Nat Microbiol. 2023 May;8(5):958-972.
- Environ Toxicol. 2021 Dec 7.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. McAfee Q, et al. Autophagy inhibitor Lys05 has single-agent antitumor activity and reproduces the phenotype of a genetic autophagy deficiency. Proc Natl Acad Sci U S A. 2012 May 22;109(21):8253-8.

**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](mailto:tech@MedChemExpress.com)

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