

# Mal-C2-cyclohexylcarboxyl-hydrazide hydrochloride Biochemical

Mal-C2-cyclohexylcarboxyl-hydrazide hydrochloride

CATALOG #  
**AAA227882**

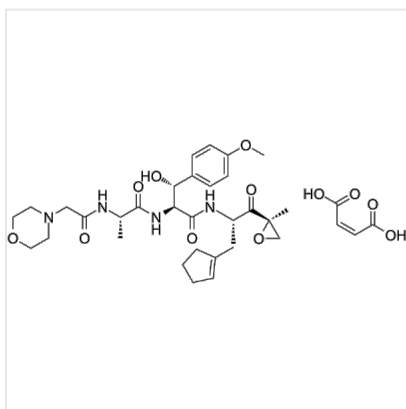
## PRODUCT SYNONYMS

Mal-C2-cyclohexylcarboxyl-hydrazide hydrochloride; KZR-616 maleate; Mal-C2-cyclohexylcarboxyl-hydrazide hydrochloride biochemical

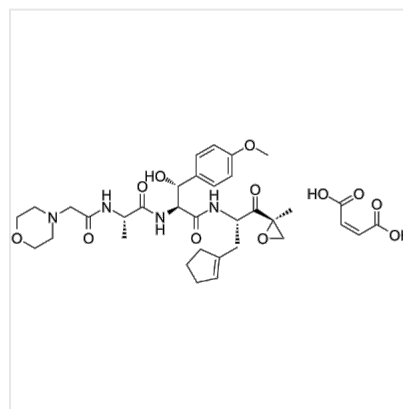
## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                       |
| CAS                     | 174422-72-1                                                                                                                                                                                                                                               |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                               |
| In vitro                | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                  |

## IMAGES



**Structure**  
Zetomipzomib maleate, CAS 2170983-62-5



**Structure**  
Zetomipzomib maleate, CAS 2170983-62-5

## ADDITIONAL INFORMATION

### Related Product Information for Mal-C2-cyclohexylcarboxyl-hydrazide hydrochloride biochemical

Mal-C2-cyclohexylcarboxyl-hydrazide hydrochloride is an alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs.

## References

1. Johnson HWB, et al. Required Immunoproteasome Subunit Inhibition Profile for Anti-Inflammatory Efficacy and Clinical Candidate KZR-616 ((2 S,3 R)- N-((S)-3-(Cyclopent-1-en-1-yl)-1-((R)-2-methyloxiran-2-yl)-1-oxopropan-2-yl)-3-hydroxy-3-(4-methoxyphenyl)-2-((S)-2-(2-morpholinoacetamido)propanamido)propenamide). J Med Chem. 2018 Dec 27;61(24):11127-11143.
2. Muchamuel T, et al. FRI0296 Kzr-616, a selective inhibitor of the immunoproteasome, blocks the disease progression in multiple models of systemic lupus erythematosus (SLE). Annals of the Rheumatic Diseases 2018;77:685.
3. Xi J, et al. Immunoproteasome-selective inhibitors: An overview of recent developments as potential drugs for hematologic malignancies and autoimmune diseases. Eur J Med Chem. 2019;182:111646.

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/mal-c2-cyclohexylcarboxyl-hydrazide-hydrochloride/227882>