

XIE62-1004

## Chemical Properties

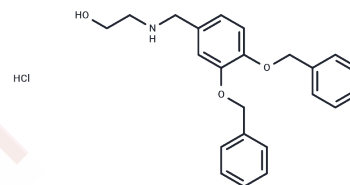
CAS No. : 2421146-32-7

Formula: C<sub>23</sub>H<sub>25</sub>NO<sub>3</sub>.HCl

Molecular Weight: 399.91

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	XIE62-1004 is a chemical compound that induces the interaction between p62 and LC3 by binding to the ZZ domain of p62. This interaction promotes p62 self-aggregation and its subsequent interaction with LC3 on autophagosome membranes, thereby facilitating the delivery of cargo proteins to the autophagosome for degradation. XIE62-1004 is effective both in vitro and in vivo, displaying specificity for the wild type of p62 and exhibiting its actions in a concentration- and time-dependent manner. Additionally, it induces the degradation of mutant huntingtin in vitro and can be employed in AUTAC protein degradation systems to trigger autophagy via p62 self-aggregation and LC3 interaction.
Targets(IC50)	Others, Autophagy, ATG, p62

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5006 mL	12.5028 mL	25.0056 mL
5 mM	0.5001 mL	2.5006 mL	5.0011 mL
10 mM	0.2501 mL	1.2503 mL	2.5006 mL
50 mM	0.050 mL	0.2501 mL	0.5001 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481