

**Product Name:** XIE62-1004

**Catalog No.:** 7878

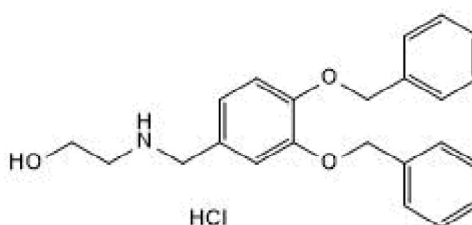
**Batch No.:** 1

CAS Number: 2421146-32-7

IUPAC Name: 2-[[[3,4-Bis(phenylmethoxy)phenyl]methyl]amino]ethanol hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Weight:** 399.91  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 20 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.7% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	69.08	6.55	3.5	8.86
Found	68.81	6.57	3.44	8.83

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**1**

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**Description:**

XIE62-1004 is an inducer of p62-LC3 interaction. Binds to the ZZ domain of p62, leading to p62 self-aggregation and interaction with LC3 on autophagosome membranes; facilitates delivery of cargo proteins to the autophagosome for degradation. Active in vitro and in vivo in a concentration- and time-dependent manner and is specific for wild type p62. Induces degradation of mutant huntingtin in vitro. Can also be used in AUTAC protein degradation systems to induce autophagy through p62 self-aggregation and LC3 interaction.

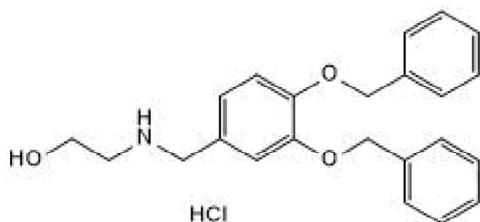
**Physical and Chemical Properties:**

Batch Molecular Weight: 399.91

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 20 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Zhang *et al*** (2018) ZZ-dependent regulation of p62/SQSTM1 in autophagy. *Nat. Commun.* **9** 4373. PMID: 30349045.

**Cha-Molstad *et al*** (2017) p62/SQSTM1/Sequestosome-1 is an N-recognin of the N-end rule pathway which modulates autophagosome biogenesis. *Nat. Commun.* **8** 102. PMID: 28740232.

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**bio-techne.com**

info@bio-techne.com  
techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com  
Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors  
Tel:+1 612 379 2956