# SMER28

## Small molecule inducer of autophagy important for neurodegenerative disease research.

Chemical inducer of autophagy which acts via an mTOR-independent mechanism. It increased autophagosome synthesis and enhanced the clearance of model autophagy substrates such as A53T α-synuclein and mutant huntingtin fragments. It reduced Aβ peptide and AAP-CTF levels in an Alzheimers model and attenuated mutant huntingtin-fragment toxicity in Huntington's disease models, suggesting therapeutic potential.

**Citations:** 4 View Online »

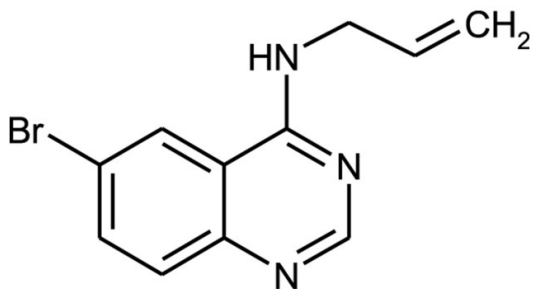
## Ordering Information

Order Online »

| | |
|---|---|
| **BML-EI397-0005** | 5mg |
| **BML-EI397-0025** | 25mg |

## Manuals, SDS & CofA

View Online »

| | |
|---|---|
|  HN<br>CH2<br>Br<br>N<br>N | |

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Store solutions at -20°C for up to 3 months. |
| **Long Term Storage** | -20°C |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | 6-Bromo-4-allylaminoquinazoline |
| **Appearance** | Off-white solid. |
| **CAS** | 307538-42-7 |
| **Formula** | $C_{11}H_{10}BrN_3$ |
| **MW** | 264.1 |
| **Purity** | ≥98% (TLC) |
| **Solubility** | Soluble in DMSO (8mg/ml) or 100% ethanol (2mg/ml). |
| **Source** | Synthetic. |

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