

## Autophinib, Autophagy inhibitor

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Catalog	Unit
TBI3476-5MG	5 mg
TBI3476-25MG	25 mg

### Product Details

**Formal Name:** 6-Chloro-N-(5-methyl-1H-pyrazol-3-yl)-2-(4-nitrophenoxy)-4-pyrimidinamine

**Molecular Formula:** C<sub>14</sub>H<sub>11</sub>ClN<sub>6</sub>O<sub>3</sub>

**Formula Weight:** 346.70

**CAS Number:** 1644443-47-9

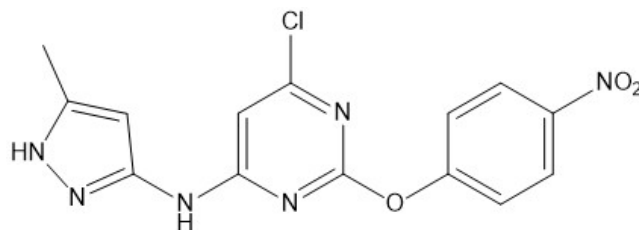
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 30 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Autophagy inhibitor

### Functions

Autophinib inhibits autophagy induced by starvation or rapamycin by inhibiting the lipid kinase VPS34 (IC<sub>50</sub>=19 nM). Increased autophagy and apoptosis were rescued by autophinib in Per1-overexpressing oral squamous cell carcinoma cells. Autophinib has quickly become an important biochemical tool for inhibition of autophagy in a variety of cellular contexts.

### Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

**For research use only.**