

## Spautin-1, USP10&13 inhibitor; autophagy inhibitor

Catalog	Unit
TBI1367-5MG	5 mg
TBI1367-25MG	25 mg

### Product Details

**Formal Name:** 6-Fluoro-N[(4-fluorophenyl)methyl]-4-quinazolinamine

**Molecular Formula:** C<sub>15</sub>H<sub>11</sub>F<sub>2</sub>N<sub>3</sub>

**Formula Weight:** 271.27

**CAS Number:** 122888-28-7

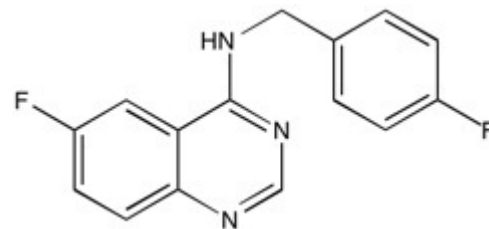
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 15 mg/ml with warming).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

USP10&13 inhibitor; autophagy inhibitor

### Functions

A specific and potent autophagy inhibitor. Spautin-1 promotes the degradation of Vps34 PI3 kinase complexes by inhibiting two ubiquitin-specific proteases USP10 and USP13 which target the Beclin-1 subunit of Vps34 complexes. Deranges dengue virion maturation. Inhibits autophagy in a Beclin-1 independent manner in primary epithelial ovarian cancer cells. Selectively induces cell death of mutant p53-expressing cancer cell lines under confluency. Cell permeable.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 15 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

**For research use only.**