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Catalog	Unit
TBI1412-5MG	5 mg
TBI1412-25MG	25 mg

### Product Details

**Formal Name:** N-(1-Phenylethyl)-2-(pyrrolidin-1-yl)quinazolin-4-amine

**Alternate Names:** IPZ

**Molecular Formula:** C<sub>20</sub>H<sub>22</sub>N<sub>4</sub>

**Formula Weight:** 318.43

**CAS Number:** 662163-81-7

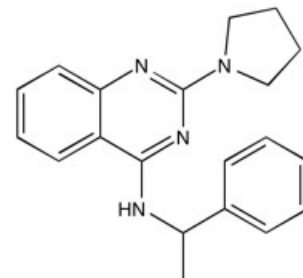
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml).

**Storage:** RT

**Stability:** ≥ 1 year.



### Applications

Importin-b-mediated nuclear import blocker

### Functions

Specifically inhibits importin-β-mediated nuclear import without disrupting transportin-mediated nuclear import or CRM1-mediated nuclear export. When added to cells during mitosis it impairs the release of an importin-β cargo probe and causes defects in spindle assembly. Inhibition of importin-β function is most likely mediated by blocking its interaction with RanGTP. It is an important new tool to probe the function of the importin-β/RanGTP pathway. Cell permeable

### Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

**For research use only.**