

Catalog	Unit
TBI4970-5MG	5 mg
TBI4970-25MG	25 mg

### Product Details

**Formal Name:** N-[(E)-(3-Methylphenyl)methylideneamino]-6-morpholin-4-yl-2-(2-pyridin-2-ylethoxy)pyrimidin-4-amine

**Alternate Names:** STA-5326

**Molecular Formula:** C<sub>23</sub>H<sub>26</sub>N<sub>6</sub>O<sub>2</sub>

**Formula Weight:** 418.50

**CAS Number:** 541550-19-0

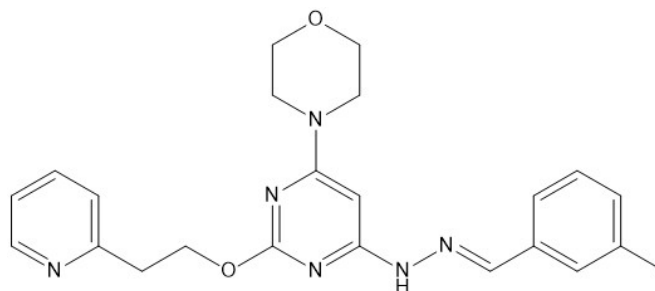
**Purity:** >99%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to at least 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

IL12/23 inhibitor/Inhibits SARS-CoV2 infection

### Functions

Potent and selective inhibitor of the TLR signaling lipid kinase PIKfyve (IC<sub>50</sub> = 14 nM), but not other lipid or protein kinases. Blocks transcription of IL-12 p35 and IL-12/IL-23 p40 genes via transcriptional repressor ATF32, leading to suppression of Th1, but not Th2, immune response. Cytotoxic against B-cell non-Hodgkin lymphoma in vivo, and reduces PtdIns5P and PtdIns(3,5)P<sub>2</sub> levels in transformed and immortalized cell lines. Blocks SARS-CoV-2 infection in vitro, likely via reduction in cathepsin protease activation.

### Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**