

Catalog	Unit
TBI5332-5MG	5 mg
TBI5332-25MG	25 mg

### Product Details

**Formal Name:** 3-Fluoro-N-((E)-(5-pyridin-2-ylsulfanylfuran-2-yl)methylideneamino)benzamide

**Alternate Names:** MLS000544460

**Molecular Formula:** C<sub>17</sub>H<sub>12</sub>FN<sub>3</sub>O<sub>2</sub>S

**Formula Weight:** 341.4

**CAS Number:** 352336-36-8

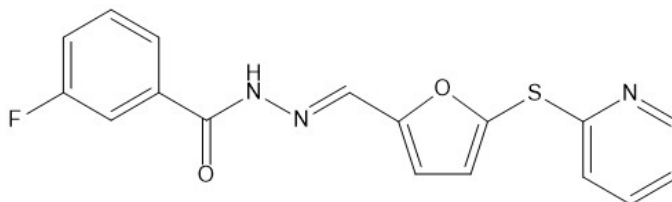
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (40 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Eya2 phosphatase inhibitor

### Functions

MLS-544460 is an allosteric inhibitor of the Eya2 tyrosine phosphatase (IC<sub>50</sub>=4.1 μM) which is ineffective against other tyrosine phosphatases including Eya3 and PTP1B. Treatment of patient-derived glioma stem cells induced loss of bipolar spindle formation along with G2/M cell cycle arrest. GSC proliferation was inhibited at concentrations 4 to 10-fold lower than normal brain cells. Treatment of Axolotls following amputation impairs limb regeneration indicating a role for Eya2 in vertebrate regeneration.

### Application Procedures

First dissolved in DMSO (40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

**For research use only.**