

## Anle138b, Protein aggregation inhibitor

---

Catalog	Unit
TBI4945-5MG	5 mg
TBI4945-25MG	25 mg

### Product Details

**Formal Name:** 5-(1,3-Benzodioxol-5-yl)-3-(3-bromophenyl)-1H-pyrazole

**Molecular Formula:** C<sub>16</sub>H<sub>11</sub>BrN<sub>2</sub>O<sub>2</sub>

**Formula Weight:** 343.18

**CAS Number:** 882697-00-9

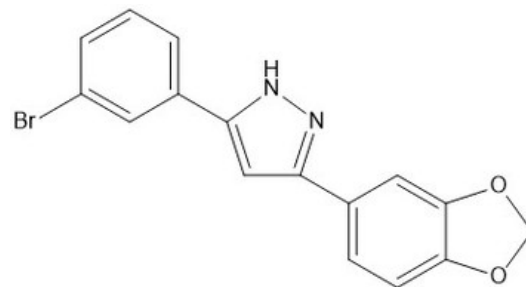
**Purity:** >98%

**Formulation:** powder

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

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Protein aggregation inhibitor

### Functions

Aggregation inhibitor that modulates the formation of pathological oligomers of both prion and  $\alpha$ -synuclein. In mouse models of prion and diseases and Parkinson's disease, Anle138b strongly inhibited oligomer formation, neuronal degeneration, and disease progression even after disease onset. Anle138b has delayed disease progression and prevented motor decline in multiple neurodegenerative models. Treatment of melanoma cells with anle138b caused massive cell death via major dysregulation of autophagy revealing a protective effect of  $\alpha$ -synuclein on autophagy in these cells. Orally bioavailable and able to cross the blood-brain barrier.

### Application Procedures

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

**For research use only.**