

**Product Name:** Anle138b

**Catalog No.:** 6861

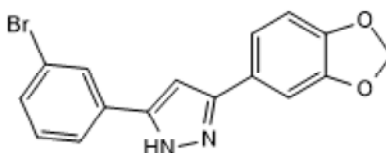
**Batch No.:** 1

CAS Number: 882697-00-9

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

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>16</sub>H<sub>11</sub>BrN<sub>2</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 343.18  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 50 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	56	3.23	8.16
Found	56	3.2	8.24

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956

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**Description:**

Anle138b is an oligomeric aggregation inhibitor that inhibits formation of pathological prion protein (PrP<sup>Sc</sup>) and  $\alpha$ -synuclein aggregates in vitro. Anle138b prevents accumulation of PrP<sup>Sc</sup> in brain and spleen, and prolongs survival of prion-infected mice. Anle138b exhibits neuroprotective effects in a Parkinson's disease mouse model and improves motor performance in an  $\alpha$ -synucleinopathy model. Orally bioavailable and brain penetrant.

**Physical and Chemical Properties:**

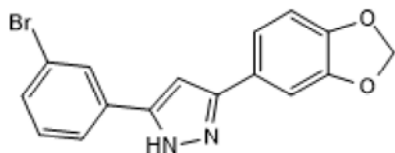
Batch Molecular Formula: C<sub>16</sub>H<sub>11</sub>BrN<sub>2</sub>O<sub>2</sub>

Batch Molecular Weight: 343.18

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

**Wagner et al** (2013) Anle138b: a novel oligomer modulator for disease-modifying therapy of neurodegenerative diseases such as prion and Parkinson's disease. *Acta Neuropathol.* **125** 795. PMID: 23604588.

**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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