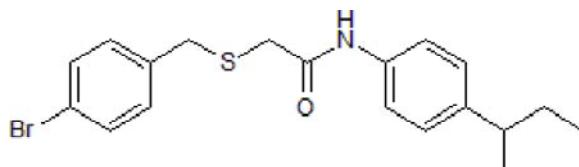


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** AZ 12216052**Catalog No.:** 4832**Batch No.:** 1

CAS Number: 1290628-31-7

IUPAC Name: 2-[(4-Bromophenyl)methyl]thio]-N-[4-(1-methylpropyl)phenyl]acetamide

**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>19</sub>H<sub>22</sub>BrNOS**Batch Molecular Weight:** 392.35**Physical Appearance:** Pale yellow solid**Solubility:** DMSO to 100 mM  
ethanol to 100 mM**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R<sub>f</sub> = 0.39 (Ethyl acetate:Petroleum ether [4:1])**HPLC:** Shows 96.8% purity**<sup>1</sup>H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 58.16 5.65 3.57

Found 58.23 5.6 3.73

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](http://www.tocris.com/distributors)

Tel: +1 612 379 2956

## Product Information

[www.tocris.com](http://www.tocris.com)

**Product Name:** AZ 12216052

**Catalog No.:** 4832

**Batch No.:** 1

**CAS Number:** 1290628-31-7

**IUPAC Name:** 2-[(4-Bromophenyl)methyl]thio]-N-[4-(1-methylpropyl)phenyl]acetamide

### Description:

Positive allosteric modulator at mGlu<sub>8</sub> receptors. Exhibits anxiolytic effects in mouse models of anxiety.

### Physical and Chemical Properties:

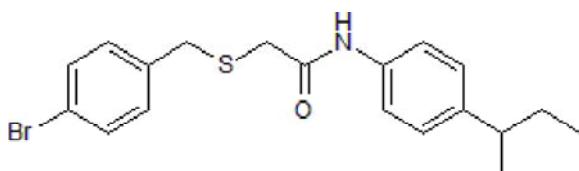
Batch Molecular Formula: C<sub>19</sub>H<sub>22</sub>BrNOS

Batch Molecular Weight: 392.35

Physical Appearance: Pale yellow solid

**Minimum Purity:** ≥97%

### Batch Molecular Structure:



**Storage:** Store at -20°C

### Solubility & Usage Info:

DMSO to 100 mM  
ethanol to 100 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.

### References:

**Chruscicka et al** (2013) Expression of metabotropic glutamate receptors in mammalian cells as a method for identification of new chemical compounds with drug-like activity. *Pharmacol. Rep.* **65** 38.

**Duvoisin et al** (2011) Opposing roles of mGluR8 in measures of anxiety involving non-social and social challenges. *Behav. Brain Res.* **221** 50. PMID: 21382421.

**Duvoisin et al** (2010) Acute pharmacological modulation of mGluR8 reduces measures of anxiety. *Behav. Brain Res.* **212** 168. PMID: 20385173.

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](http://www.tocris.com/distributors)

Tel: +1 612 379 2956