

Certificate of Analysis

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Product Name: AZ 12216052

Catalog No.: 4832

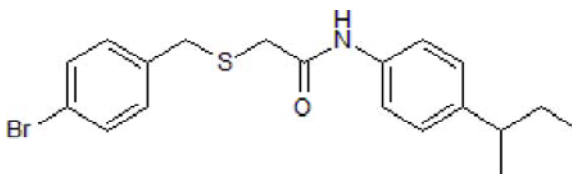
Batch No.: 1

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: C₁₉H₂₂BrNOS
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_f = 0.39 (Ethyl acetate:Petroleum ether [4:1])
HPLC: Shows 96.8% purity
¹H 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

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Product Information

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Catalog No.: 4832

Batch No.: 1

CAS Number: 1290628-31-7

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

Description:

Positive allosteric modulator at mGlu₈ receptors. Exhibits anxiolytic effects in mouse models of anxiety.

Physical and Chemical Properties:

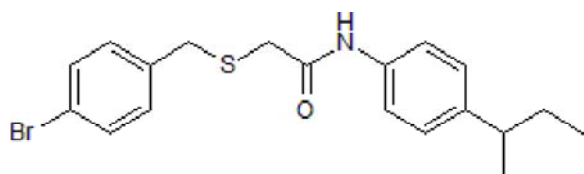
Batch Molecular Formula: C₁₉H₂₂BrNOS

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.

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